



BDU-HP
CENTRIFUGAL UPBLAST HIGH PRESSURE BELT DRIVE FANS



- Air Volume: 2 – 22,000 cfm
- Maximum SP: 5" wg. @ standard air density

FEATURES & BENEFITS

- A wide variety of motors are available to meet specific application needs.
- Heavy duty construction, durable and weather resistant.
- Non-overloading backward inclined wheels, blades and inlets fabricated from aluminum.
- Wall mount applications, units up to 24" nominal wheel can be wall mounted.
- Forced fresh air through the motor compartment cools motor and ensures long motor life.
- Quick release latches allow for easy access to motor compartment.
- Variable pitch motor pulley allows for field adjustment and system balancing.
- High efficiency combined with low tip speeds result in quiet operation.
- Standard emergency disconnect switch.

OPTIONS

- Gravity Damper. (UL 705 Only)
- Motorized Damper. (UL 705 Only)
- Wall Mount Sleeve.
- Roof Curb. (Vented & Non-Vented)
- Grease Collection Box.
- Bird Screen. (UL 705 Only)
- Base Hinging Kit or Hinged Sub Base. (for NFPA96 compliance)
- Extra Set of V-Belts
- Combination package that includes a supply fan mounted on the same roof curb.

CERTIFICATIONS

FloAire certifies that Models BDU15HP thru BDU36HP 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 Publication 311, and comply with the requirements of the AMCA Certified Rating Program.

Models BDU15HP thru BDU36HP are ETL Listed under file numbers 103336443COL-001 and 102628244PRT-001 and comply with UL705 (electrical), UL762, and ULC-S645 Standards and CSA Std C22.2, No 113.



Catalog #112F

July 2019

BDU-HP Performance Data

► **BDU-HP** Sizes - Centrifugal Upblast High Pressure Belt Drive Fans

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



- [BDU11HP](#) [Curve](#) [Table](#)
- [BDU13HP](#) [Curve](#) [Table](#)
- [BDU15HP](#) [Curve](#) [Table](#)
- [BDU18HP](#) [Curve](#) [Table](#)
- [BDU20HP](#) [Curve](#) [Table](#)
- [BDU24HP](#) [Curve](#) [Table](#)
- [BDU30HP](#) [Curve](#) [Table](#)
- [BDU36HP](#) [Curve](#) [Table](#)

BDU11HP Performance Table

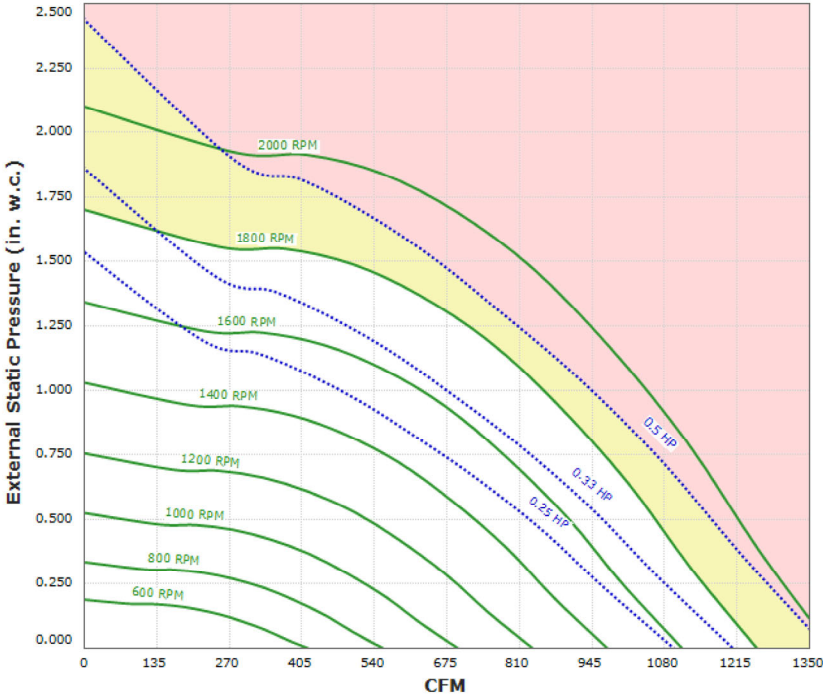
BDU11HP

CFM	Static Pressure in Inches W.G.							
	0.000	0.250	0.500	0.750	1.000	1.250	1.500	1.750
	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP
135		718 1.5 / 0.02						
270		769 1.9 / 0.03	1034 3.8 / 0.08	1250 5.6 / 0.13	1436 7.3 / 0.20	1607 9.0 / 0.27	1765 10.3 / 0.35	1901 11.5 / 0.44
405		877 2.8 / 0.05	1104 4.4 / 0.10	1298 6.1 / 0.16	1473 7.7 / 0.23	1633 9.2 / 0.31	1776 10.4 / 0.39	1910 11.6 / 0.47
540	778 2.9 / 0.03	1019 4.1 / 0.08	1211 5.5 / 0.13	1385 6.9 / 0.20	1538 8.3 / 0.27	1688 9.7 / 0.35	1824 10.8 / 0.44	
675	971 4.6 / 0.06	1178 5.6 / 0.12	1345 6.9 / 0.18	1493 8.2 / 0.25	1634 9.3 / 0.33	1772 10.4 / 0.42		
810	1165 6.5 / 0.10	1348 7.5 / 0.17	1494 8.4 / 0.24	1627 9.7 / 0.32	1753 10.7 / 0.41	1875 11.6 / 0.50		
945	1360 8.7 / 0.16	1522 9.5 / 0.24	1655 10.2 / 0.32	1776 11.1 / 0.41	1890 12.3 / 0.50			
1080	1552 11.1 / 0.24	1701 11.8 / 0.33	1821 12.3 / 0.42					
1215	1746 13.5 / 0.34	1881 14.0 / 0.44						
1350	1940 15.6 / 0.47							

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

Performance shown is certified for Installation Type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include transmission 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 A: Free inlet hemispherical sone levels.

BDU11HP Performance Curve



Max Sizeable RPM = 2200 RPM. Curve shown extended beyond this point for reference only.
 Performance shown is certified for Installation Type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include transmission losses.

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BDU13HP Performance Table

BDU13HP

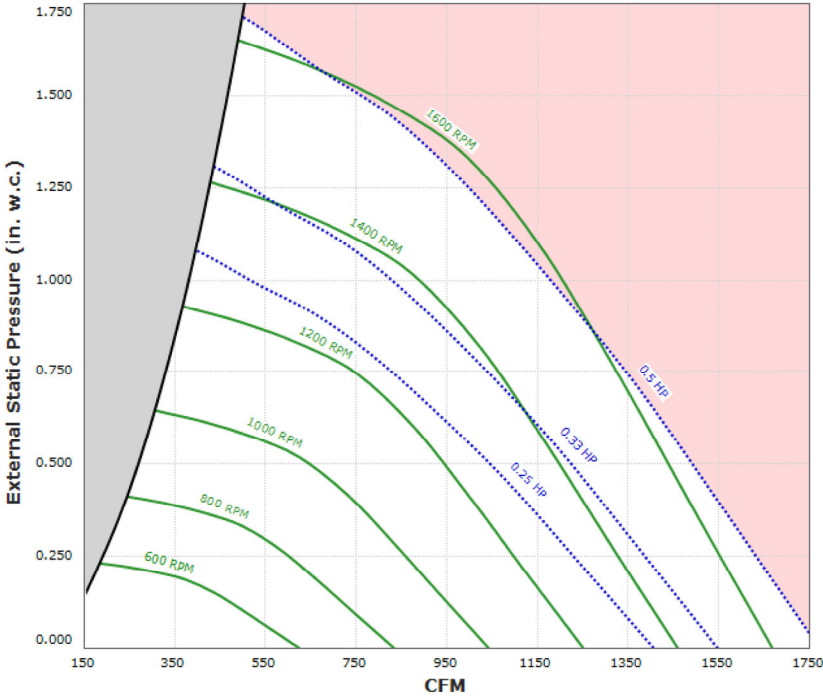
CFM	Static Pressure in Inches W.G.						
	0.000	0.250	0.500	0.750	1.000	1.250	1.500
	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP
350		660 1.9 / 0.04	900 3.8 / 0.09	1090 5.4 / 0.15			
550		764 2.9 / 0.06	955 4.2 / 0.11	1125 5.8 / 0.18	1279 7.3 / 0.26	1421 8.8 / 0.34	1549 10.0 / 0.44
750	720 3.7 / 0.04	910 4.3 / 0.09	1062 5.4 / 0.15	1204 6.6 / 0.23	1339 7.9 / 0.31	1465 9.3 / 0.40	1586 10.4 / 0.50
950	912 5.8 / 0.08	1073 6.2 / 0.14	1203 7.1 / 0.21	1321 8.0 / 0.29	1435 9.0 / 0.38	1545 10.0 / 0.48	
1150	1103 8.0 / 0.14	1246 8.3 / 0.21	1359 9.0 / 0.30	1463 9.8 / 0.39	1560 10.7 / 0.48		
1350	1294 10.6 / 0.22	1423 10.9 / 0.31	1524 11.3 / 0.41				
1550	1486 13.3 / 0.34	1601 13.5 / 0.44					
1750	1676 16.0 / 0.48						

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

Performance shown is certified for Installation Type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include transmission 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 A: Free inlet hemispherical sone levels.

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BDU13HP Performance Curve



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

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

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BDU15HP Performance Table

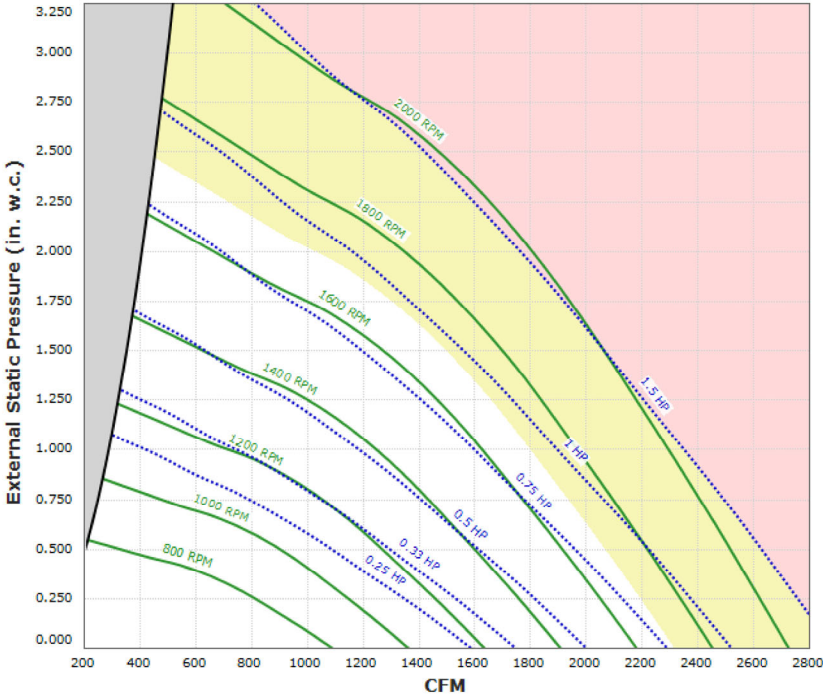
BDU15HP

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 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	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	
400			816 4.3 / 0.10	978 6.0 / 0.17	1117 8.2 / 0.25	1242 10.7 / 0.33	1356 13.4 / 0.43	1460 12.5 / 0.52							
600			875 5.0 / 0.13	1029 6.8 / 0.21	1163 9.1 / 0.29	1282 11.6 / 0.39	1392 12.9 / 0.49	1493 12.8 / 0.60	1587 14.0 / 0.71	1676 15.1 / 0.83	1760 16.3 / 0.95	1840 17.5 / 1.08	1923 18.8 / 1.23	1993 19.8 / 1.36	
800			952 6.0 / 0.17	1094 8.0 / 0.25	1221 10.3 / 0.35	1336 12.9 / 0.45	1441 12.5 / 0.56	1541 13.4 / 0.68	1633 14.6 / 0.80	1720 15.7 / 0.93	1802 16.9 / 1.06	1882 18.1 / 1.20	1956 19.2 / 1.34	2030 20 / 1.50	
1000		907 6.0 / 0.14	1048 7.9 / 0.22	1176 9.9 / 0.32	1292 12.1 / 0.42	1401 12.8 / 0.53	1502 12.6 / 0.65	1597 14.0 / 0.77	1686 15.2 / 0.91	1773 16.4 / 1.05	1852 17.7 / 1.18	1931 18.9 / 1.34	2004 19.9 / 1.49		
1200	880 6.1 / 0.11	1032 8.1 / 0.20	1156 10.1 / 0.29	1271 12.3 / 0.39	1378 13.2 / 0.51	1480 12.7 / 0.63	1575 13.3 / 0.76	1664 14.1 / 0.89	1749 15.1 / 1.03	1832 16.6 / 1.18	1911 18.3 / 1.33	1987 19.7 / 1.48			
1400	1027 8.3 / 0.17	1162 10.7 / 0.27	1275 12.9 / 0.38	1378 14.2 / 0.49	1475 13.8 / 0.62	1568 13.8 / 0.75	1657 14.2 / 0.88	1741 15.0 / 1.02	1823 15.9 / 1.17	1902 16.8 / 1.33	1977 17.8 / 1.49				
1600	1174 11.2 / 0.26	1296 13.8 / 0.37	1399 14.7 / 0.49	1493 14.1 / 0.62	1581 15.4 / 0.75	1667 15.7 / 0.89	1749 15.9 / 1.03	1829 16.4 / 1.19	1905 17.0 / 1.34						
1800	1321 14.8 / 0.36	1432 14.8 / 0.49	1525 15.4 / 0.62	1613 16.2 / 0.76	1695 16.4 / 0.91	1773 17.5 / 1.05	1852 18.2 / 1.21	1925 18.4 / 1.37							
2000	1467 15.7 / 0.50	1569 16.7 / 0.64	1656 17.5 / 0.79	1738 18.4 / 0.94	1815 18.6 / 1.09	1889 18.9 / 1.25	1959 20 / 1.42								
2200	1613 18.6 / 0.66	1708 19.0 / 0.82	1790 19.8 / 0.98	1866 21 / 1.14	1938 22 / 1.31	2007 21 / 1.48									
2400	1760 21 / 0.86	1848 21 / 1.03	1925 22 / 1.21	1997 23 / 1.38											
2600	1906 23 / 1.10	1989 24 / 1.28	2062 25 / 1.47												
2800	2053 26 / 1.37														

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

Performance shown is certified for Installation Type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include transmissi fan sones at 5 ft (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type A: Free inlet hemispherical sone levels.

BDU15HP Performance Curve



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

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

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BDU18HP Performance Table

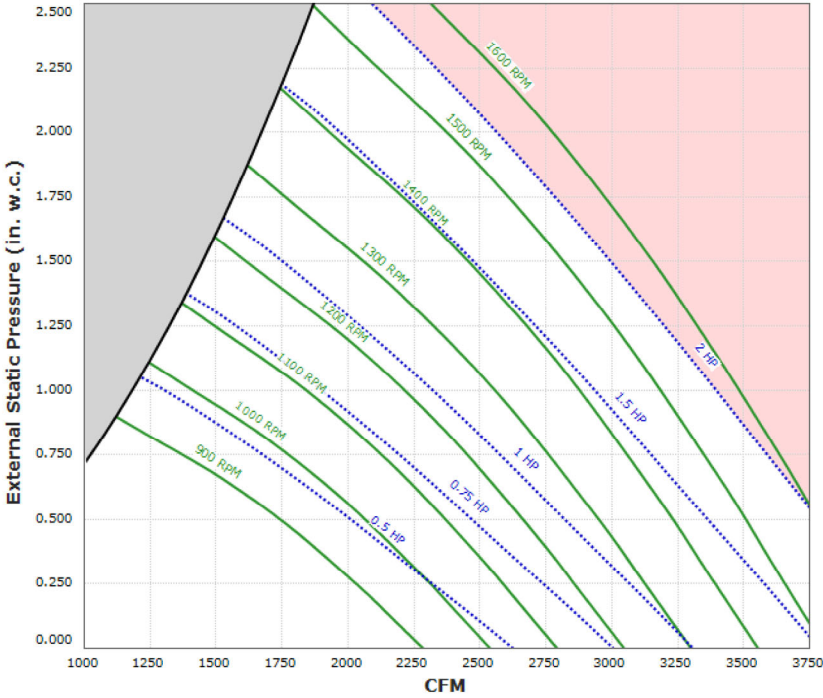
BDU18HP

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 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	
1250					967 7.4 / 0.48							
1500				929 7.6 / 0.43	1018 8.5 / 0.57	1101 9.6 / 0.72	1179 10.6 / 0.87					
1750			902 8.2 / 0.39	993 9.0 / 0.53	1077 10.0 / 0.68	1155 11.0 / 0.83	1228 11.9 / 1.00	1298 12.1 / 1.17	1365 12.5 / 1.36			
2000			978 10.1 / 0.50	1062 10.8 / 0.65	1141 11.6 / 0.80	1214 12.5 / 0.97	1285 12.1 / 1.15	1350 12.4 / 1.33	1413 12.9 / 1.52	1475 13.9 / 1.72	1534 14.5 / 1.93	
2250		977 10.6 / 0.46	1059 11.9 / 0.62	1136 12.9 / 0.78	1210 13.6 / 0.95	1279 12.2 / 1.13	1346 13.1 / 1.32	1409 12.9 / 1.51	1470 14.7 / 1.72	1527 15.2 / 1.92		
2500	985 11.7 / 0.43	1068 12.5 / 0.60	1143 13.9 / 0.77	1214 15.2 / 0.95	1283 14.1 / 1.13	1348 14.3 / 1.32	1411 14.8 / 1.52	1471 15.7 / 1.73	1529 16.2 / 1.94			
2750	1084 13.9 / 0.58	1160 14.8 / 0.76	1229 15.9 / 0.94	1295 16.2 / 1.13	1359 15.3 / 1.33	1420 14.9 / 1.54	1480 16.8 / 1.75	1537 17.2 / 1.96				
3000	1182 16.4 / 0.75	1253 17.2 / 0.94	1318 16.7 / 1.15	1379 16.5 / 1.35	1439 16.9 / 1.57	1496 17.9 / 1.78						
3250	1281 16.8 / 0.95	1346 17.2 / 1.16	1407 17.7 / 1.38	1465 18.5 / 1.60	1521 19.0 / 1.83							
3500	1378 17.5 / 1.18	1440 18.0 / 1.42	1498 19.6 / 1.65	1552 20 / 1.89								
3750	1477 20 / 1.46	1535 21 / 1.70	1589 21 / 1.95									

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

Performance shown is certified for Installation Type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include transmissi 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 A: Free inlet hemispherical sone le

BDU18HP Performance Curve



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

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

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BDU20HP Performance Table

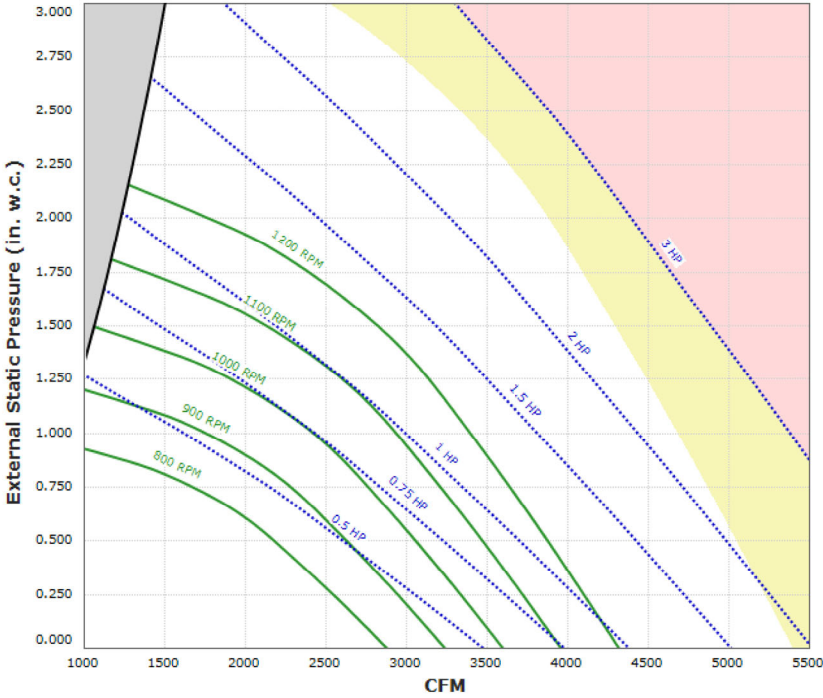
BDU20HP

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	
	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	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP
1500					870 8.2 / 0.47	955 9.9 / 0.61	1034 11.4 / 0.76	1107 13.1 / 0.91	1176 14.2 / 1.08	1241 14.9 / 1.25	1302 15.8 / 1.42	1361 16.9 / 1.61	1418 17.9 / 1.80	
2000				850 8.9 / 0.46	932 10.2 / 0.60	1010 11.4 / 0.76	1083 12.7 / 0.92	1153 14.0 / 1.10	1219 14.6 / 1.28	1281 15.4 / 1.47	1340 16.4 / 1.66	1398 17.6 / 1.86	1452 18.5 / 2.07	
2500			869 10.4 / 0.46	943 11.5 / 0.62	1015 12.8 / 0.78	1083 14.2 / 0.95	1147 13.9 / 1.13	1213 14.5 / 1.32	1274 15.3 / 1.52	1333 16.4 / 1.73	1390 17.7 / 1.94	1444 18.5 / 2.16	1497 19.4 / 2.38	
3000	834 11.4 / 0.32	915 12.9 / 0.48	985 14.0 / 0.65	1050 14.9 / 0.82	1112 16.0 / 1.00	1173 16.0 / 1.19	1232 16.4 / 1.39	1289 17.2 / 1.60	1345 16.6 / 1.82	1399 18.6 / 2.04	1451 19.3 / 2.27	1503 20 / 2.51	1553 21 / 2.75	
3500	973 15.3 / 0.51	1045 16.9 / 0.70	1107 18.3 / 0.89	1165 17.3 / 1.08	1220 17.7 / 1.29	1274 17.8 / 1.50	1327 17.8 / 1.71	1378 19.6 / 1.94	1429 20 / 2.17	1478 21 / 2.41	1526 21 / 2.66	1574 22 / 2.91		
4000	1112 19.8 / 0.76	1176 19.8 / 0.98	1233 20 / 1.19	1285 19.8 / 1.41	1336 19.5 / 1.64	1384 22 / 1.87	1432 22 / 2.11	1478 22 / 2.35	1524 23 / 2.60	1569 23 / 2.86				
4500	1250 20 / 1.09	1309 21 / 1.33	1361 22 / 1.57	1409 24 / 1.81	1455 24 / 2.06	1500 25 / 2.31	1543 25 / 2.57	1586 25 / 2.84						
5000	1389 24 / 1.49	1443 25 / 1.76	1491 26 / 2.03	1535 27 / 2.29	1578 27 / 2.56	1619 28 / 2.84								
5500	1528 28 / 1.98	1577 28 / 2.28	1622 29 / 2.57	1664 29 / 2.87										

Max Sizeable RPM = 1800 RPM. Table shown extended beyond this point for reference only.

Performance shown is certified for Installation Type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include transmissi 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 A: Free inlet hemispherical sone levels.

BDU20HP Performance Curve



Max Sizeable RPM = 1800 RPM. Curve shown extended beyond this point for reference only.

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

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BDU24HP Performance Table

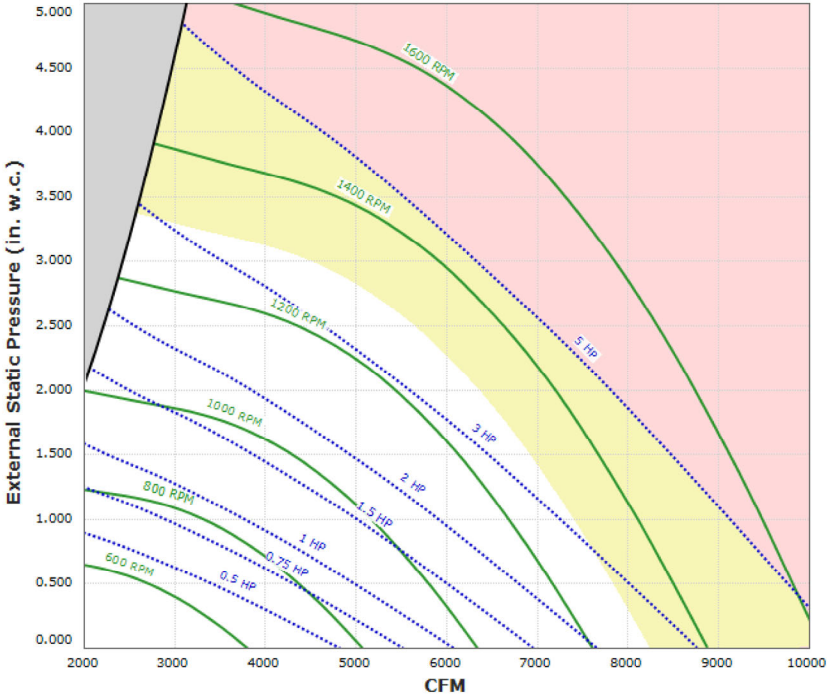
BDU24HP

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
2000			725 9.7 / 0.57	878 15.4 / 0.94	1011 21 / 1.34					
3000		629 8.5 / 0.41	775 11.8 / 0.77	909 17.1 / 1.20	1031 20 / 1.67	1143 21 / 2.18	1245 22 / 2.73	1341 24 / 3.31	1431 26 / 3.90	1516 29 / 4.53
4000	631 10.8 / 0.29	751 13.2 / 0.65	864 15.9 / 1.08	974 21 / 1.55	1080 20 / 2.07	1180 21 / 2.64	1275 22 / 3.24	1365 24 / 3.88	1451 27 / 4.55	
5000	789 16.3 / 0.56	886 17.7 / 1.01	978 21 / 1.50	1069 21 / 2.03	1158 21 / 2.61	1245 22 / 3.23	1329 23 / 3.88	1411 26 / 4.57		
6000	947 19.8 / 0.97	1029 22 / 1.49	1107 24 / 2.06	1183 24 / 2.66	1259 25 / 3.30	1333 26 / 3.98	1407 25 / 4.68			
7000	1104 24 / 1.53	1175 27 / 2.14	1243 27 / 2.78	1310 29 / 3.46	1375 28 / 4.17	1440 29 / 4.91				
8000	1262 29 / 2.29	1325 31 / 2.98	1385 31 / 3.70	1444 33 / 4.45						
9000	1420 34 / 3.26	1476 39 / 4.03	1530 38 / 4.83							
10000	1578 44 / 4.47									

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

Performance shown is certified for Installation Type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include transmission 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 A: Free inlet hemispherical sone levels.

BDU24HP Performance Curve



Max Sizeable RPM = 1600 RPM. Curve shown extended beyond this point for reference only.
Performance shown is certified for Installation Type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include transmission losses.

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BDU30HP Performance Table

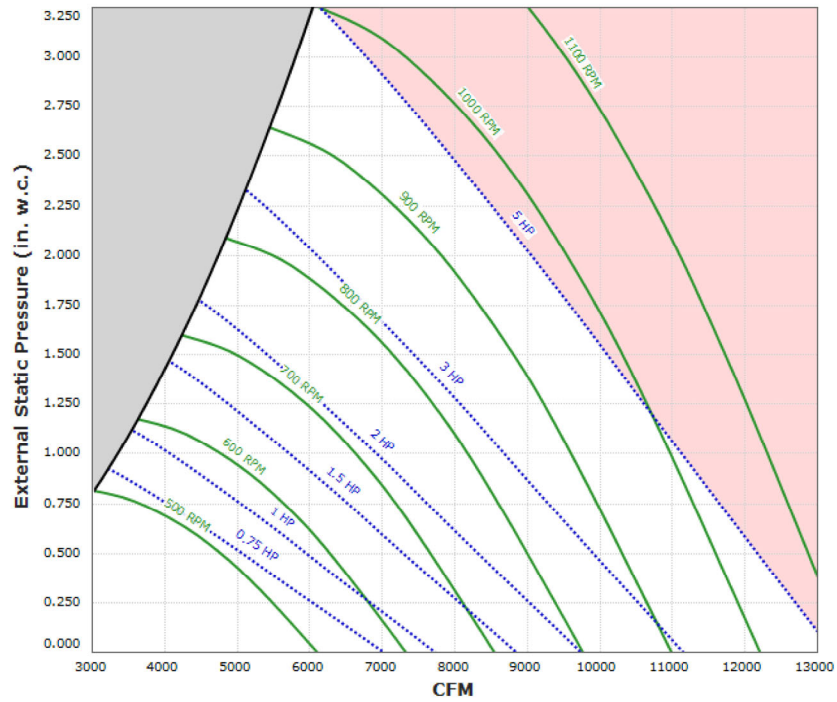
BDU30HP

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
	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	RPM Sone/BHP	RPM Sone/BHP
4000				513 8.7 / 0.74	569 10.1 / 0.98	619 11.4 / 1.22							
5000			514 9.7 / 0.73	563 9.9 / 0.99	610 11.1 / 1.26	656 12.4 / 1.54	700 13.5 / 1.84	742 14.4 / 2.14	782 15.2 / 2.44				
6000		538 10.9 / 0.74	581 11.3 / 1.02	622 12.7 / 1.30	662 12.6 / 1.60	702 13.5 / 1.92	741 14.4 / 2.26	780 15.2 / 2.60	817 15.9 / 2.95	853 16.3 / 3.31	887 16.8 / 3.67	921 18.2 / 4.03	953 19.5 / 4.39
7000	573 12.9 / 0.74	614 14.5 / 1.06	652 14.8 / 1.38	687 14.6 / 1.70	722 15.5 / 2.04	757 16.2 / 2.39	792 15.4 / 2.75	826 16.0 / 3.13	859 16.4 / 3.52	892 17.0 / 3.91	925 18.4 / 4.32	956 19.6 / 4.73	
8000	655 16.0 / 1.11	692 17.4 / 1.48	725 17.2 / 1.84	757 18.2 / 2.20	788 17.3 / 2.57	819 18.1 / 2.96	849 18.5 / 3.35	880 16.7 / 3.76	910 17.7 / 4.18	939 18.9 / 4.61			
9000	737 19.0 / 1.58	770 20 / 2.00	800 19.6 / 2.40	829 20 / 2.81	857 21 / 3.22	885 19.0 / 3.64	912 20 / 4.06	939 21 / 4.50	966 21 / 4.95				
10000	819 22 / 2.17	849 23 / 2.63	877 23 / 3.09	903 22 / 3.54	929 23 / 3.99	954 24 / 4.44	979 23 / 4.91						
11000	901 24 / 2.88	928 26 / 3.40	954 27 / 3.90	978 26 / 4.39	1002 27 / 4.89								
12000	983 29 / 3.74	1008 32 / 4.30	1032 33 / 4.86										
13000	1065 36 / 4.76												

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

Performance shown is certified for Installation Type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include transmissi 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 A: Free inlet hemispherical sone levels.

BDU30HP Performance Curve



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

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

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BDU36HP Performance Table

BDU36HP

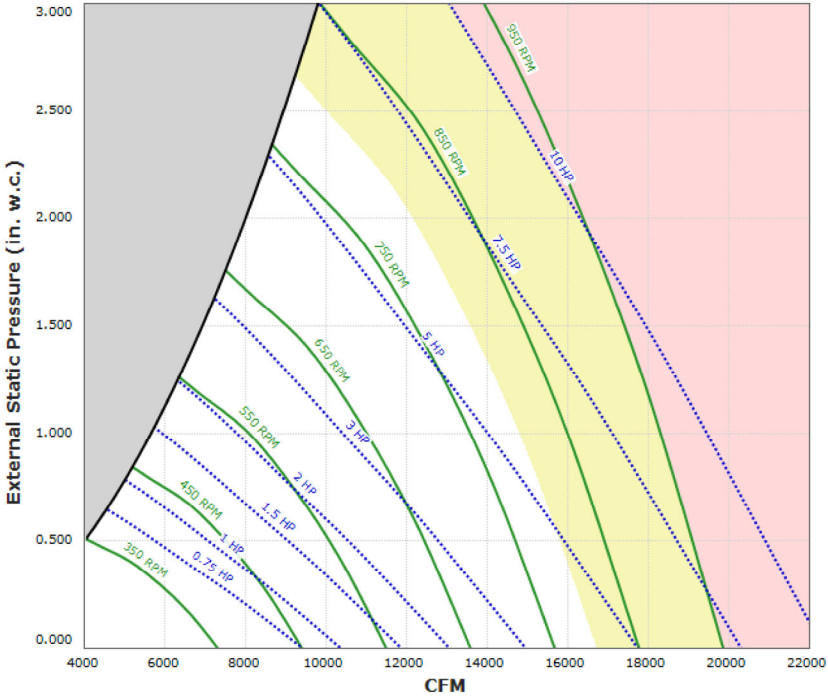
CFM	Static Pressure in Inches W.G.						
	0.000	0.500	1.000	1.500	2.000	2.500	3.000
	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP	RPM Sone/BHP
6000			500 12.0 / 1.51				
8000		467 11.7 / 1.21	547 14.4 / 2.07	625 16.7 / 3.02	700 18.5 / 4.06		
10000	478 14.4 / 0.90	547 16.5 / 1.81	613 17.1 / 2.81	676 18.0 / 3.90	739 19.6 / 5.06	800 21 / 6.30	860 23 / 7.60
12000	574 19.7 / 1.55	631 18.9 / 2.62	687 21 / 3.78	742 21 / 5.01	795 21 / 6.31	847 24 / 7.68	899 25 / 9.10
14000	670 23 / 2.46	719 25 / 3.70	767 25 / 5.01	815 27 / 6.39	861 27 / 7.83	907 28 / 9.34	
16000	765 27 / 3.68	808 30 / 5.08	851 30 / 6.55	893 31 / 8.08	935 32 / 9.67		
18000	861 35 / 5.23	899 35 / 6.81	938 36 / 8.44				

Max Sizeable RPM = 950 RPM. Table shown extended beyond this point for reference only.

Performance shown is certified for Installation Type A: Free inlet, Free outlet. Performance ratings do not include the effects of appurtenances in the airstream. Power rating (BHP) does not include transmission 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 A: Free inlet hemispherical sone levels.

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BDU36HP Performance Curve



Max Sizeable RPM = 950 RPM. Curve shown extended beyond this point for reference only.

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

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