

VEBK 06

BELT DRIVE PRV

PERFORMANCE DATA

DESIGN DATA

Max BHP = .025 x $\left[\frac{\text{RPM}}{1000} \right]^3$

Tip Speed = 2.75 x RPM
 Max. Motor Frame Size = 56
 Unit Weight (less motor) = 30 lbs.
 Roof Opening = 11" Sq.
 Curb O. D. = 14" Sq.
 Damper Size = 10" Sq.

RPM Range - Motor HP		STATIC PRESSURE, INCHES W. G.										
K1 (1/6)	RPM	.000	.125	.250	.375	.500	.625	.750	1.000	1.250	1.500	
		CFM BHP SONES	CFM BHP SONES	CFM BHP SONES	CFM BHP SONES	CFM BHP SONES	CFM BHP SONES	CFM BHP SONES	CFM BHP SONES	CFM BHP SONES	CFM BHP SONES	CFM BHP SONES
K2 (1/6)	600	232 .01 .8										
	700	271 .01 1.4	130 .01 1.2									
K3 (1/6)	800	310 .01 1.9	202 .01 1.5									
	900	348 .02 2.5	258 .02 1.8									
K4 (1/6)	1000	387 .02 3.1	309 .02 2.5	194 .03 3.2								
	1100	426 .03 3.7	356 .03 3.1	266 .03 3.4								
K5 (1/6)	1200	465 .04 4.3	401 .04 3.8	325 .04 3.7	211 .05 4.8							
	1300	503 .05 5.0	446 .05 4.5	379 .05 4.0	294 .06 4.9							
L1 (1/4)	1400	542 .06 5.7	489 .06 5.2	430 .07 4.8	358 .07 5.2	259 .07 6.2						
	1500	581 .07 6.5	532 .08 6.0	477 .08 5.6	415 .08 5.5	339 .09 6.3						
M1 (1/3)	1550	600 .08 6.8	553 .09 6.4	500 .09 5.9	442 .09 5.7	373 .10 6.5	274 .10 7.5					
	1600	620 .09 7.2	573 .09 6.7	523 .10 6.3	468 .10 5.9	404 .10 6.6	321 .11 7.6					
P1 (1/2)	1650	639 .10 7.5	594 .10 7.1	546 .11 6.7	494 .11 6.3	434 .11 6.8	359 .12 7.7	236 .12 8.8				
	1700	658 .10 7.9	615 .11 7.5	569 .12 7.1	519 .12 6.8	462 .12 7.0	397 .13 7.8	302 .13 8.8				
M1 (1/3)	1750	678 .11 8.3	635 .12 7.9	591 .13 7.5	544 .13 7.2	489 .13 7.1	428 .14 7.9	349 .14 8.9				
	1800	697 .12 8.7	656 .13 8.3	613 .14 7.9	567 .14 7.6	515 .15 7.3	458 .15 8.1	388 .15 9.0				
P1 (1/2)	1850	716 .13 9.1	676 .14 8.7	635 .15 8.3	590 .15 8.0	541 .16 7.6	488 .16 8.2	425 .16 9.1				
	1900	736 .15 9.5	696 .15 9.1	657 .16 8.7	613 .17 8.4	567 .17 8.0	516 .17 8.4	458 .18 9.3	260 .18 11.4			
M1 (1/3)	1950	755 .16 9.9	717 .17 9.5	679 .17 9.2	636 .18 8.8	593 .18 8.5	543 .19 8.6	489 .19 9.4	335 .19 11.4			
	2000	774 .17 10.4	737 .18 10.0	701 .19 9.6	659 .19 9.2	618 .20 8.9	570 .20 8.8	519 .20 9.6	388 .21 11.5			
M1 (1/3)	2050	794 .18 10.8	757 .19 10.4	722 .20 10.0	682 .21 9.7	641 .21 9.4	596 .21 9.0	548 .22 9.7	426 .22 11.5			
	2100	813 .20 11.2	777 .21 10.9	743 .21 10.5	704 .22 10.1	665 .22 9.8	622 .23 9.5	575 .23 9.9	464 .24 11.7			
M1 (1/3)	2150	832 .21 11.7	797 .22 11.3	764 .23 11.0	727 .24 10.6	688 .24 10.2	647 .24 9.9	602 .25 10.1	502 .26 11.8	341 .26 14.1		
	2200	852 .23 12.2	817 .24 11.8	785 .24 11.4	749 .25 11.1	711 .26 10.7	673 .26 10.4	629 .27 10.2	533 .27 12.0	395 .28 14.1		
M1 (1/3)	2250	871 .24 12.6	837 .25 12.2	805 .26 11.9	771 .27 11.5	734 .27 11.2	698 .28 10.9	655 .28 10.5	563 .29 12.1	444 .30 14.1		
	2300	891 .26 13.1	857 .27 12.7	826 .28 12.3	793 .29 12.0	757 .29 11.6	721 .30 11.3	681 .30 11.0	594 .31 12.2	482 .32 14.2		
M1 (1/3)	2350	910 .28 13.5	877 .29 13.2	847 .30 12.8	815 .30 12.4	780 .31 12.1	744 .31 11.8	707 .32 11.5	623 .33 12.3	520 .34 14.2	368 .34 16.6	
	2400	929 .29 14.0	897 .30 13.6	867 .31 13.3	837 .32 13.0	802 .33 12.6	767 .33 12.3	732 .34 11.9	651 .35 12.5	559 .36 14.3	422 .36 16.5	
M1 (1/3)	2450	949 .31 14.4	917 .32 14.1	888 .33 13.8	859 .34 13.4	825 .35 13.1	791 .35 12.8	757 .36 12.4	678 .37 12.6	590 .38 14.4	476 .38 16.5	
	2500	968 .33 14.9	937 .34 14.6	908 .35 14.2	880 .36 13.9	847 .37 13.6	814 .38 13.3	780 .38 13.0	705 .39 12.8	621 .40 14.5	513 .41 16.5	

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

The sound ratings shown are loudness values in fan sones at 5 feet (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A, free inlet fan sone levels.

Cent. Power Roof Vents

VEBK 08

BELT DRIVE PRV

PERFORMANCE DATA

DESIGN DATA

Max BHP = .036 x $\left[\frac{\text{RPM}}{1000}\right]^3$

Tip Speed = 2.75 x RPM
 Max. Motor Frame Size = 56
 Unit Weight (less motor) = 30 lbs.
 Roof Opening = 11" Sq.
 Curb O. D. = 14" Sq.
 Damper Size = 10" Sq.

RPM Range - Motor HP		STATIC PRESSURE, INCHES W. G.											
K1 (1/6)	RPM	.000	.125	.250	.375	.500	.625	.750	1.000	1.250	1.500	1.750	
		CFM SONES	BHP SONES	CFM SONES	BHP SONES	CFM SONES	BHP SONES	CFM SONES	BHP SONES	CFM SONES	BHP SONES	CFM SONES	BHP SONES
K2 (1/6)	650	365 .01 2.4	163 .01 1.3										
	750	422 .01 3.0	269 .01 1.8										
K3 (1/6)	850	478 .02 3.7	350 .02 2.4										
	950	534 .02 4.5	428 .03 3.1	272 .03 3.4									
K4 (1/6)	1050	590 .03 5.2	495 .04 4.0	371 .04 4.0									
	1150	646 .04 5.9	560 .05 4.9	453 .05 4.5	318 .05 5.0								
L1 (1/4)	1250	703 .06 6.8	624 .06 5.8	533 .07 5.1	425 .07 5.6								
	1350	759 .07 7.6	686 .08 6.7	610 .08 6.0	507 .09 6.1	393 .09 6.6							
M1 (1/3)	1450	815 .09 8.5	748 .09 7.7	677 .10 6.9	588 .10 6.8	496 .11 7.2	358 .11 7.7						
	1500	843 .10 8.9	778 .10 8.1	710 .11 7.4	628 .11 7.1	538 .12 7.5	428 .12 8.0						
P1 (1/2)	1550	871 .11 9.4	808 .11 8.6	743 .12 7.9	668 .13 7.5	579 .13 7.9	484 .13 8.3	276 .13 8.8					
	1600	899 .12 9.8	838 .13 9.1	775 .13 8.4	706 .14 7.9	619 .14 8.2	537 .15 8.6	410 .15 9.1					
K1 (1/6)	1650	927 .13 10.3	868 .14 9.6	807 .14 8.9	744 .15 8.4	659 .15 8.5	579 .16 8.9	477 .16 9.4					
	1700	955 .14 10.8	898 .15 10.0	839 .16 9.4	778 .16 8.9	700 .17 8.9	620 .17 9.3	532 .18 9.7					
K2 (1/6)	1750	984 .15 11.2	928 .16 10.5	871 .17 10.0	812 .18 9.4	740 .18 9.2	661 .19 9.6	586 .19 10.1					
	1800	1012 .17 11.7	957 .18 11.1	903 .18 10.4	845 .19 9.9	779 .20 9.6	701 .20 10.0	628 .21 10.4	366 .20 11.5				
K3 (1/6)	1850	1040 .18 12.2	987 .19 11.5	934 .20 11.0	878 .21 10.5	818 .21 10.0	742 .22 10.3	669 .22 10.7	478 .22 11.9				
	1900	1068 .20 12.6	1016 .21 12.1	965 .22 11.5	911 .22 11.0	856 .23 10.6	782 .23 10.7	710 .24 11.1	545 .25 12.2				
K4 (1/6)	1950	1096 .21 13.1	1046 .22 12.6	996 .23 12.0	943 .24 11.5	890 .25 11.1	822 .25 11.6	750 .26 11.6	600 .26 12.7				
	2000	1124 .23 13.6	1075 .24 13.1	1026 .25 12.6	975 .26 12.1	923 .26 11.6	861 .27 11.5	791 .27 11.9	655 .28 13.1	351 .28 14.4			
L1 (1/4)	2050	1152 .25 14.2	1104 .26 13.6	1057 .27 13.1	1008 .28 12.7	957 .28 12.3	900 .29 11.9	831 .29 12.4	701 .30 13.5	506 .30 14.7			
	2100	1180 .27 14.7	1134 .28 14.1	1087 .29 13.6	1040 .30 13.3	990 .30 12.8	938 .31 12.6	871 .32 12.8	743 .33 13.9	582 .33 15.1			
M1 (1/3)	2150	1208 .29 15.2	1163 .30 14.7	1117 .31 14.2	1071 .32 13.8	1023 .32 13.4	974 .33 13.2	911 .34 13.3	784 .35 14.3	638 .36 15.5			
	2200	1236 .31 15.7	1192 .32 15.2	1148 .33 14.8	1103 .34 14.3	1056 .35 14.0	1008 .35 13.8	950 .36 13.7	825 .37 14.8	693 .38 15.9	427 .36 17.4		
K2 (1/6)	2250	1265 .33 16.2	1221 .34 15.8	1178 .35 15.3	1134 .36 14.9	1088 .37 14.5	1042 .38 14.3	989 .38 14.2	865 .39 15.1	747 .40 16.3	561 .40 17.6		
	2300	1293 .35 16.7	1250 .36 16.3	1208 .37 15.9	1165 .38 15.5	1120 .39 15.1	1075 .40 14.9	1028 .41 14.8	905 .42 15.5	790 .43 16.7	637 .44 17.9		
K3 (1/6)	2350	1321 .38 17.3	1279 .39 16.9	1238 .40 16.5	1196 .41 16.1	1152 .42 15.7	1108 .42 15.5	1064 .43 15.4	946 .44 15.9	832 .46 17.1	693 .46 18.3		
	2400	1349 .40 17.8	1308 .41 17.4	1267 .42 17.0	1227 .43 16.7	1184 .44 16.3	1141 .45 16.1	1098 .46 16.0	986 .47 16.4	873 .48 17.4	748 .49 18.6	547 .48 19.9	
K4 (1/6)	2450	1377 .43 18.3	1337 .44 18.0	1297 .45 17.6	1257 .46 17.3	1216 .47 16.9	1174 .48 16.7	1131 .49 16.6	1026 .50 16.8	914 .51 17.8	803 .52 19.0	636 .52 20	
	2500	1405 .45 18.9	1366 .46 18.5	1327 .47 18.2	1288 .49 17.8	1248 .50 17.5	1206 .51 17.3	1165 .51 17.2	1066 .53 17.2	955 .54 18.2	849 .55 19.3	706 .56 21	

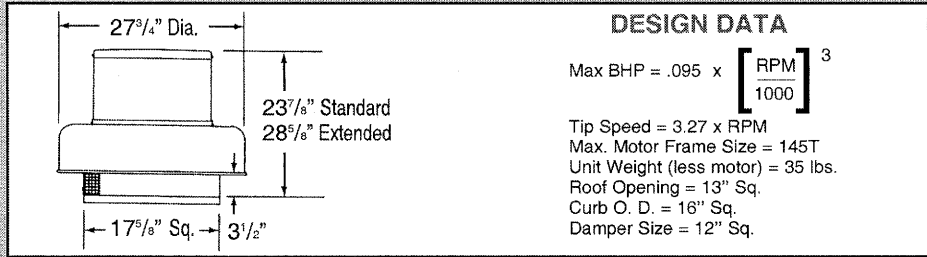
Performance shown is for installation type A - free inlet, free outlet.
 Power rating (BHP) does not include drive losses.
 Performance ratings do not include the effects of appurtenances in the airstream.

The sound ratings shown are loudness values in fan sones at 5 feet (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A; free inlet fan sone levels.

VEBK 10

BELT DRIVE PRV

PERFORMANCE DATA



DESIGN DATA

Max BHP = .095 x $\left[\frac{\text{RPM}}{1000} \right]^3$

Tip Speed = 3.27 x RPM
 Max. Motor Frame Size = 145T
 Unit Weight (less motor) = 35 lbs.
 Roof Opening = 13" Sq.
 Curb O. D. = 16" Sq.
 Damper Size = 12" Sq.

RPM Range - Motor HP		STATIC PRESSURE, INCHES W. G.											
K1 (1/6)	RPM	.000	.125	.250	.375	.500	.750	1.000	1.250	1.500	2.000	2.500	2.750
		CFM SONES	CFM SONES	CFM SONES	CFM SONES	CFM SONES	CFM SONES	CFM SONES	CFM SONES	CFM SONES	CFM SONES	CFM SONES	CFM SONES
K2 (1/6)	650	857 .02 2.2	481 .03 1.6										
	750	758 .03 3.1	613 .04 2.4	392 .04 2.3									
L1 (1/4)	850	859 .05 4.0	733 .05 3.3	584 .06 3.2	165 .05 3.1								
	950	960 .07 5.0	849 .07 4.4	723 .08 4.0	553.08 4.0								
M1 (1/3)	1050	1061 .09 6.0	961 .10 5.5	853 .11 5.1	728 .11 4.8	528 .11 4.8							
	1150	1162 .12 7.0	1071 .13 6.5	974 .14 6.1	867 .14 5.8	739 .15 5.6							
PI (1/2)	1250	1263 .15 8.1	1179 .16 7.6	1092 .17 7.2	1001 .18 6.9	893 .18 6.7	519 .17 6.5						
	1350	1364 .19 9.3	1286 .20 8.8	1208 .21 8.3	1123 .22 8.0	1031 .23 7.8	797 .24 7.4						
R1 (3/4)	1400	1415 .21 9.9	1339 .22 9.4	1265 .24 8.9	1183 .24 8.6	1098 .25 8.3	891 .26 7.9	353 .22 7.9					
	1450	1465 .24 10.5	1392 .25 10.0	1321 .26 9.6	1243 .27 9.1	1164 .28 8.9	974 .29 8.5	624 .28 8.4					
S1 (1)	1500	1516 .26 11.1	1445 .27 10.7	1376 .29 10.2	1302 .30 9.8	1225 .31 9.5	1051 .32 9.1	783 .32 8.9					
	1550	1566 .29 11.8	1498 .30 11.3	1431 .31 10.9	1360 .33 10.5	1286 .34 10.2	1121 .35 9.7	900 .36 9.4	294 .29 9.4				
T1 (1-1/2)	1600	1617 .32 12.5	1550 .33 12.0	1486 .34 11.6	1418 .36 11.1	1346 .37 10.8	1190 .38 10.4	1001 .39 9.9	614 .36 9.9				
	1650	1668 .35 13.2	1603 .36 12.7	1540 .38 12.3	1475 .39 11.8	1406 .40 11.4	1258 .42 11.0	1085 .43 10.6	802 .42 10.5				
S1 (1)	1700	1718 .38 13.9	1655 .39 13.4	1594 .41 13.0	1532 .42 12.6	1465 .43 12.2	1325 .45 11.6	1167 .47 11.2	930 .47 11.0	330 .39 11.1			
	1750	1769 .41 14.6	1707 .43 14.1	1648 .44 13.7	1589 .46 13.3	1524 .47 12.9	1392 .49 12.4	1238 .51 11.9	1045 .51 11.6	657 .47 11.6			
S1 (1)	1800	1819 .45 15.4	1759 .47 14.9	1702 .48 14.4	1644 .50 14.0	1582 .51 13.6	1457 .53 13.1	1308 .55 12.6	1138 .56 12.2	851 .54 12.2			
	1850	1870 .49 16.2	1811 .51 15.7	1755 .52 15.3	1700 .54 14.8	1640 .55 14.4	1517 .57 13.8	1377 .59 13.3	1222 .60 13.0	990 .60 12.8			
S1 (1)	1900	1920 .53 17.0	1863 .55 16.5	1809 .56 16.1	1754 .58 15.7	1698 .59 15.3	1577 .62 14.5	1445 .64 14.0	1304 .65 13.7	1106 .65 13.4			
	1950	1971 .57 17.8	1915 .59 17.3	1862 .61 16.9	1809 .62 16.5	1755 .64 16.1	1638 .66 15.4	1513 .69 14.8	1375 .70 14.3	1210 .71 14.0			
T1 (1-1/2)	2000	2021 .62 18.6	1967 .64 18.1	1915 .65 17.7	1864 .67 17.3	1812 .69 16.9	1697 .71 16.2	1579 .74 15.6	1445 .75 15.1	1294 .76 14.6	644 .68 14.6		
	2050	2072 .67 19.3	2019 .68 18.9	1968 .70 18.5	1918 .72 18.1	1867 .74 17.7	1757 .76 17.0	1645 .79 16.4	1515 .81 15.9	1377 .82 15.4	880 .78 15.1		
S1 (1)	2100	2122 .72 20	2070 .73 19.7	2021 .75 19.2	1972 .77 18.8	1923 .79 18.5	1816 .82 17.7	1707 .84 17.2	1583 .86 16.7	1455 .88 16.2	1057 .87 15.7		
	2150	2173 .77 21	2122 .79 21	2074 .81 20	2028 .82 19.7	1978 .84 19.2	1874 .87 18.5	1768 .90 17.9	1651 .92 17.4	1526 .94 17.0	1175 .94 16.3		
S1 (1)	2200	2223 .82 22	2174 .84 21	2127 .86 21	2080 .88 21	2032 .90 20	1933 .93 19.3	1829 .96 18.7	1718 .98 18.2	1596 1.00 17.7	1291 1.02 16.9	450 .84 17.1	
	2250	2274 .88 22	2225 .90 22	2179 .92 22	2133 .94 21	2087 .96 21	1990 .99 20	1889 1.02 19.5	1784 1.05 19.0	1665 1.08 18.5	1394 1.09 17.6	798 .99 17.6	
S1 (1)	2300	2324 .94 23	2277 .96 23	2232 .98 23	2187 1.06 22	2142 1.02 22	2048 1.05 21	1949 1.08 20	1850 1.11 19.8	1734 1.13 19.3	1478 1.16 18.4	1013 1.10 18.2	440 .96 18.4
	2350	2375 1.00 24	2328 1.02 24	2284 1.04 23	2240 1.06 23	2196 1.08 23	2105 1.12 22	2008 1.15 21	1911 1.18 21	1801 1.20 20	1562 1.24 19.2	1187 1.22 18.9	782 1.11 18.9
S1 (1)	2400	2426 1.07 25	2379 1.09 25	2336 1.11 24	2293 1.13 24	2250 1.15 23	2163 1.19 23	2067 1.22 22	1972 1.25 22	1868 1.28 21	1644 1.32 20	1305 1.31 19.5	1017 1.24 19.5
	2450	2476 1.14 26	2431 1.16 25	2389 1.18 25	2346 1.20 25	2304 1.22 24	2219 1.26 24	2126 1.29 23	2033 1.33 22	1935 1.35 22	1716 1.39 21	1421 1.40 20	1199 1.37 20

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

The sound ratings shown are loudness values in fan sones at 5 feet (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A, free inlet fan sone levels.

VEBK 12

BELT DRIVE PRV

PERFORMANCE DATA

DESIGN DATA

Max BHP = .10 x $\left[\frac{\text{RPM}}{1000} \right]^3$

Tip Speed = 3.27 x RPM
 Max. Motor Frame Size = 145T
 Unit Weight (less motor) = 35 lbs.
 Roof Opening = 13" Sq.
 Curb O. D. = 16" Sq.
 Damper Size = 12" Sq.

RPM Range - Motor HP		STATIC PRESSURE, INCHES W. G.											
K1 (1/6)	RPM	.000	.125	.250	.375	.500	.750	1.000	1.250	1.500	2.000	2.500	2.750
		CFM SONES	CFM SONES	CFM SONES	CFM SONES	CFM SONES	CFM SONES	CFM SONES	CFM SONES	CFM SONES	CFM SONES	CFM SONES	CFM SONES
K2 (1/6)	550	676 .01 2.4	404 .02 1.6										
	650	799 .02 3.7	595 .03 2.8										
K3 (1/6)	750	922 .03 4.8	757 .04 3.9	487 .04 3.9									
	850	1045 .05 5.9	901 .06 5.1	718 .06 4.9									
L1 (1/4)	950	1168 .07 7.3	1041 .08 6.7	894 .08 6.4	692 .08 6.3								
	1050	1291 .09 8.9	1177 .10 8.4	1055 .11 8.0	897 .11 7.9	657 .11 7.8							
M1 (1/3)	1150	1414 .12 10.6	1310 .13 10.2	1200 .14 9.8	1072 .15 9.7	917 .15 9.6							
	1250	1537 .16 12.7	1441 .17 12.3	1342 .18 11.9	1238 .19 11.7	1104 .19 11.6	639 .17 11.6						
PI (1/2)	1350	1660 .20 15.0	1571 .21 14.6	1481 .22 14.2	1385 .23 13.8	1275 .24 13.8	998 .24 13.8						
	1450	1783 .25 16.6	1700 .26 16.2	1617 .27 15.8	1529 .28 15.5	1441 .29 15.3	1202 .30 15.3	772 .27 15.3					
R1 (3/4)	1500	1844 .27 17.5	1784 .29 17.1	1684 .30 16.7	1600 .31 16.4	1514 .32 16.1	1298 .33 16.0	975 .32 16.0					
	1550	1906 .30 18.3	1828 .31 17.9	1751 .33 17.5	1670 .34 17.2	1587 .35 16.9	1385 .36 16.8	1126 .36 16.8					
S1 (1)	1600	1967 .33 19.0	1892 .34 18.7	1817 .36 18.4	1739 .37 18.0	1659 .38 17.7	1471 .40 17.6	1246 .40 17.6	752 .35 17.6				
	1650	2028 .36 20	1956 .38 19.5	1883 .39 19.2	1809 .40 18.9	1731 .41 18.6	1556 .43 18.4	1342 .44 18.3	1007 .42 18.4				
T1 (1-1/2)	1700	2090 .40 21	2019 .41 21	1949 .43 20	1877 .44 19.9	1802 .45 19.6	1640 .47 19.4	1437 .48 19.3	1160 .47 19.3				
	1750	2151 .43 22	2083 .45 22	2014 .46 21	1946 .48 21	1872 .49 21	1722 .51 20	1530 .53 20	1309 .52 20	802 .45 20			
T1 (1-1/2)	1800	2213 .47 23	2146 .49 23	2080 .50 23	2013 .52 22	1942 .53 22	1799 .55 21	1617 .57 21	1414 .57 21	1068 .52 21			
	1850	2274 .51 24	2210 .53 24	2145 .54 24	2080 .56 23	2012 .57 23	1873 .60 22	1703 .61 22	1510 .62 22	1233 .60 22			
T1 (1-1/2)	1900	2336 .55 25	2273 .57 25	2210 .59 25	2147 .60 25	2081 .62 24	1946 .64 24	1788 .66 24	1605 .68 24	1384 .67 23			
	1950	2397 .60 27	2336 .62 26	2274 .63 26	2213 .65 26	2150 .66 25	2018 .69 25	1872 .71 25	1699 .73 25	1507 .73 25			
T1 (1-1/2)	2000	2459 .65 28	2399 .66 28	2339 .68 27	2279 .70 27	2219 .71 27	2090 .74 26	1955 .76 26	1787 .78 26	1604 .79 26	757 .62 26		
	2050	2520 .70 29	2462 .71 29	2403 .73 29	2345 .75 28	2286 .76 28	2161 .79 27	2037 .82 27	1873 .84 27	1699 .85 27	1088 .76 27		
T1 (1-1/2)	2100	2582 .75 30	2525 .77 30	2468 .78 30	2410 .80 30	2353 .82 29	2232 .85 29	2109 .88 28	1958 .90 28	1793 .91 28	1313 .87 28		
	2150	2643 .80 32	2587 .82 31	2532 .84 31	2476 .86 31	2420 .87 31	2302 .90 30	2183 .93 30	2042 .96 30	1886 .98 30	1466 .95 29		
T1 (1-1/2)	2200	2705 .86 33	2650 .88 33	2596 .90 33	2541 .92 32	2487 .93 32	2373 .97 32	2255 .99 31	2126 1.02 31	1973 1.04 31	1616 1.04 31		
	2250	2766 .92 35	2713 .94 34	2660 .96 34	2606 .98 34	2553 1.00 34	2442 1.03 33	2328 1.06 33	2208 1.09 32	2059 1.11 32	1737 1.12 32	960 .93 32	
T1 (1-1/2)	2300	2828 .98 36	2775 1.00 36	2723 1.02 36	2671 1.04 35	2619 1.06 35	2512 1.09 35	2400 1.13 34	2290 1.16 34	2144 1.18 34	1834 1.20 33	1258 1.04 33	
	2350	2889 1.05 38	2838 1.07 37	2787 1.09 37	2736 1.11 37	2685 1.13 37	2581 1.16 36	2471 1.19 35	2361 1.23 35	2229 1.25 35	1930 1.28 35	1475 1.22 35	927 1.02 35
T1 (1-1/2)	2400	2951 1.12 39	2901 1.14 39	2851 1.16 39	2801 1.18 38	2751 1.20 38	2649 1.24 38	2542 1.27 37	2435 1.30 37	2312 1.33 37	2024 1.36 37	1627 1.32 37	1257 .122 37
	2450	3012 1.19 41	2963 1.21 41	2914 1.23 41	2865 1.25 40	2816 1.27 40	2718 1.31 40	2613 1.34 39	2508 1.38 39	2395 1.40 39	2121 1.45 38	1778 1.43 38	1501 1.38 38

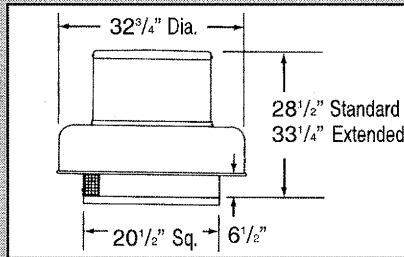
Performance shown is for installation type A - free inlet, free outlet.
 Power rating (BHP) does not include drive losses.
 Performance ratings do not include the effects of appurtenances in the airstream.

The sound ratings shown are loudness values in fan sones at 5 feet (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A, free inlet fan sone levels.

VEBK 15

BELT DRIVE PRV

PERFORMANCE DATA



DESIGN DATA

Max BHP = .282 x $\left[\frac{\text{RPM}}{1000} \right]^3$

Tip Speed = 4.06 x RPM
 Max. Motor Frame Size = 182T
 Unit Weight (less motor) = 50 lbs.
 Roof Opening = 16" Sq.
 Curb O. D. = 19" Sq.
 Damper Size = 15" Sq.

RPM Range - Motor HP		STATIC PRESSURE, INCHES W. G.												
K1 (1/6)	RPM	.000	.125	.250	.375	.500	.750	1.000	1.250	1.500	2.000	2.500	2.750	
		CFM SONES	BHP SONES	CFM SONES	BHP SONES	CFM SONES	BHP SONES	CFM SONES	BHP SONES	CFM SONES	BHP SONES	CFM SONES	BHP SONES	CFM SONES
K2 (1/6)	550	1279 3.3	.04 2.6	976 2.6										
	600	1395 4.0	.05 3.3	1129 3.3	716 3.2									
L1 (1/4)	650	1511 4.7	.07 4.0	1272 4.0	943 3.8									
	700	1628 5.3	.09 4.7	1411 4.7	1130 4.4	542 4.5								
M1 (1/3)	750	1744 6.0	.11 5.5	1549 5.5	1292 5.1	949 5.1								
	800	1860 6.8	.13 6.2	1678 6.2	1448 5.8	1170 5.8								
P1 (1/2)	850	1976 7.5	.16 7.0	1805 7.0	1600 6.6	1358 6.5	1019 6.5							
	900	2093 8.3	.19 7.7	1931 7.7	1744 7.3	1524 6.9	1255 6.7							
R1 (3/4)	950	2209 9.0	.22 8.5	2056 8.5	1885 8.1	1681 7.7	1450 7.4							
	1000	2325 9.8	.25 9.3	2180 9.3	2024 8.9	1836 8.5	1633 8.3	920 8.1						
S1 (1)	1050	2441 10.7	.29 10.2	2303 10.2	2161 9.8	1986 9.4	1794 9.2	1291 8.9						
	1100	2558 11.6	.34 11.1	2426 11.1	2293 10.6	2129 10.3	1951 10.1	1526 9.7						
T1 (1-1/2)	1150	2674 12.6	.39 12.1	2548 12.1	2421 11.6	2271 11.3	2105 11.1	1725 10.7	993 10.7					
	1200	2790 13.5	.44 13.1	2670 13.1	2548 12.6	2410 12.3	2257 12.1	1912 11.7	1431 11.6					
V1 (2)	1250	2906 14.5	.50 14.1	2791 14.1	2674 13.6	2548 13.4	2401 13.2	2082 12.7	1669 12.5					
	1300	3022 15.6	.56 15.1	2912 15.1	2799 14.7	2685 14.4	2543 14.2	2241 13.8	1885 13.5	1266 13.6				
	1350	3138 16.6	.63 16.1	3032 16.1	2924 15.7	2815 15.5	2684 15.3	2398 14.9	2075 14.6	1641 14.6				
	1400	3255 17.7	.70 17.3	3135 17.3	3048 16.9	2943 16.6	2823 16.4	2553 16.1	2261 15.8	1877 15.7	1084 15.8			
	1450	3371 18.8	.77 18.4	3273 18.4	3171 18.0	3070 17.8	2961 17.6	2707 17.2	2425 16.9	2095 16.8	1610 16.8			
	1500	3488 20	.86 19.5	3392 19.5	3294 19.2	3197 18.9	3097 18.7	2852 18.4	2585 18.1	2285 17.9	1898 17.9			
	1550	3604 21	.95 21	3512 21	3417 20	3322 20	3228 20	2995 19.0	2742 19.0	2472 19.0	2132 19.0			
	1600	3720 22	1.04 22	3631 22	3539 21	3448 21	3356 21	3137 21	2897 20	2643 20	2339 20			
	1650	3836 23	1.14 23	3747 23	3661 23	3572 22	3483 22	3278 22	3049 21	2804 21	2529 21	1650 21		
	1700	3953 24	1.25 24	3866 24	3783 24	3697 24	3610 23	3417 23	3201 23	2962 22	2715 22	2038 22		
	1750	4069 25	1.36 25	3985 25	3904 25	3820 25	3736 24	3555 24	3345 24	3118 24	2886 23	2276 23		
	1800	4185 27	1.48 26	4104 26	4025 26	3944 26	3862 26	3692 25	3488 25	3273 25	3047 24	2510 24	1280 24	
	1850	4301 28	1.61 28	4222 28	4146 27	4067 27	3987 27	3828 27	3629 26	3425 26	3206 26	2711 25	1890 25	
	1900	4417 29	1.74 29	4340 29	4266 29	4189 28	4112 28	3958 28	3770 28	3577 27	3363 27	2900 26	2276 26	1536 27
	1950	4534 30	1.88 30	4459 30	4387 30	4311 30	4236 29	4086 29	3909 29	3721 28	3518 28	3087 28	2514 27	2066 27
	1975	4592 31	1.96 31	4518 31	4447 30	4372 30	4298 30	4150 29	3979 29	3793 29	3595 29	3180 28	2632 28	2279 28

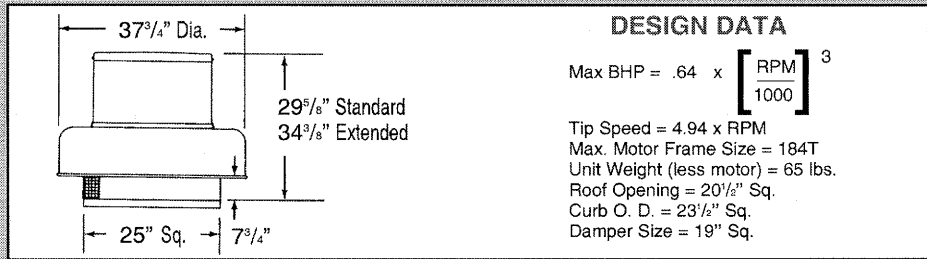
Performance shown is for installation type A - free inlet, free outlet.
 Power rating (BHP) does not include drive losses.
 Performance ratings do not include the effects of appurtenances in the airstream.

The sound ratings shown are loudness values in fan sones at 5 feet (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A, free inlet fan sone levels.

VEBK 18

BELT DRIVE PRV

PERFORMANCE DATA

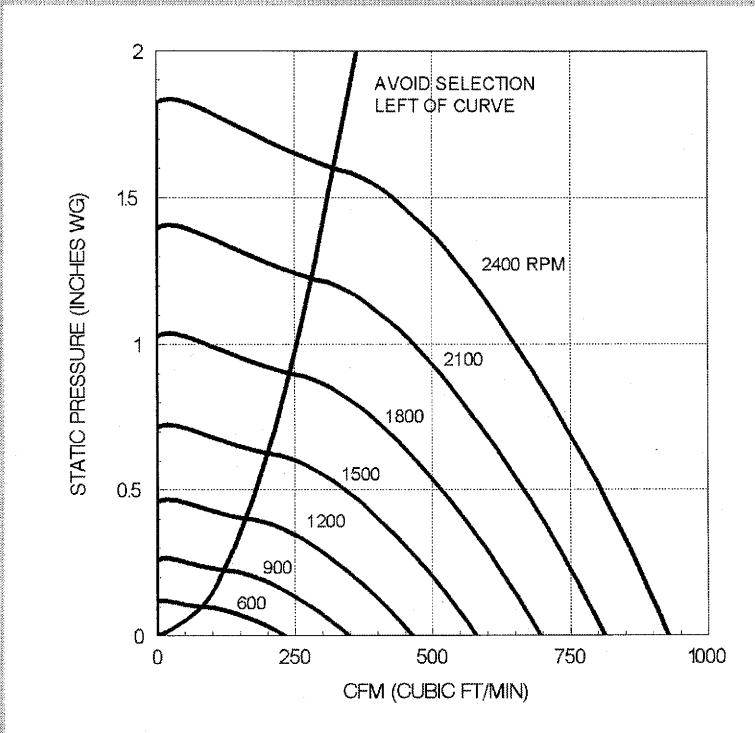


RPM Range - Motor HP		STATIC PRESSURE, INCHES W. G.											
K1 (1/6)	RPM	.000	.125	.250	.375	.500	.750	1.000	1.250	1.500	2.000	2.500	2.750
		CFM SONES	CFM SONES	CFM SONES	CFM SONES	CFM SONES	CFM SONES	CFM SONES	CFM SONES	CFM SONES	CFM SONES	CFM SONES	CFM SONES
L1 (1/4)	550	2079 .09 6.1	1790 .10 5.3	1416 .11 5.3	508 .08 5.3								
	600	2268 .12 7.1	2008 .13 6.3	1692 .14 6.3	1225 .13 6.3								
M1 (1/3)	650	2457 .15 8.2	2221 .16 7.4	1951 .17 7.2	1592 .17 7.2	937 .15 7.2							
	700	2646 .19 9.3	2427 .20 8.5	2184 .21 8.2	1887 .22 8.2	1484 .21 8.2							
P1 (1/2)	750	2835 .24 10.5	2631 .25 9.7	2409 .26 9.1	2152 .26 9.2	1835 .27 9.2							
	800	3024 .29 11.8	2832 .30 11.1	2629 .31 10.4	2409 .32 10.4	2134 .32 10.4	1212 .29 10.5						
R1 (3/4)	850	3213 .35 13.3	3033 .36 12.5	2845 .37 11.8	2642 .38 11.7	2401 .39 11.8	1747 .38 11.8						
	900	3402 .41 14.8	3232 .42 14.1	3059 .43 13.3	2867 .44 13.1	2660 .45 13.1	2134 .46 13.2						
S1 (1)	950	3590 .48 15.9	3430 .49 15.3	3268 .51 14.7	3089 .52 14.2	2907 .53 14.1	2437 .54 13.9	1699 .52 13.8					
	1000	3779 .56 17.0	3627 .58 16.4	3473 .59 15.8	3308 .60 15.2	3135 .61 15.1	2723 .63 14.5	2194 .62 14.0					
T1 (1-1/2)	1050	3968 .65 17.9	3824 .66 17.3	3677 .68 16.7	3524 .69 16.3	3359 .70 15.8	2988 .72 15.1	2530 .73 14.3	1762 .69 14.0				
	1100	4157 .75 18.6	4019 .76 18.1	3879 .78 17.6	3737 .79 17.1	3580 .80 16.6	3247 .83 15.6	2832 .84 14.6	2281 .82 13.8				
V1 (2)	1150	4346 .86 20	4215 .87 19.5	4081 .88 19.0	3947 .90 18.5	3799 .91 18.0	3498 .94 17.0	3119 .96 16.0	2681 .95 15.1	1928 .91 14.9			
	1175	4441 .91 21	4312 .93 20	4181 .94 19.7	4050 .96 19.2	3907 .97 18.7	3613 1.00 17.8	3252 1.02 16.8	2835 1.02 15.9	2208 .99 15.4			
W1 (3)	1200	4535 .97 21	4409 .99 21	4281 1.00 20	4152 1.02 19.9	4015 1.03 19.5	3727 1.06 18.6	3385 1.08 17.6	2987 1.09 16.7	2451 1.06 16.0			
	1225	4630 1.03 22	4506 1.05 22	4381 1.07 21	4255 1.08 21	4123 1.10 20	3840 1.12 19.3	3515 1.15 18.4	3138 1.17 17.5	2690 1.14 16.6			
WT (3)	1250	4724 1.10 23	4604 1.11 22	4480 1.13 22	4357 1.15 21	4229 1.16 21	3953 1.19 20	3645 1.22 19.2	3286 1.24 18.3	2876 1.22 17.5			
	1275	4819 1.17 24	4700 1.18 23	4580 1.20 23	4459 1.21 22	4336 1.23 22	4065 1.26 21	3774 1.29 20	3429 1.31 19.2	3031 1.30 18.4	1385 1.04 17.9		
WT (3)	1300	4913 1.24 24	4797 1.25 24	4679 1.27 23	4560 1.29 23	4442 1.30 22	4176 1.33 22	3901 1.36 21	3563 1.39 20	3184 1.39 19.2	1875 1.23 18.6		
	1325	5008 1.31 25	4894 1.33 24	4778 1.34 24	4661 1.36 24	4545 1.38 23	4287 1.41 23	4026 1.43 22	3696 1.46 21	3336 1.47 20	2193 1.38 19.3		
WT (3)	1350	5102 1.38 26	4991 1.40 25	4877 1.42 25	4762 1.44 24	4648 1.45 24	4397 1.48 23	4141 1.51 23	3828 1.54 22	3485 1.56 21	2476 1.49 20		
	1375	5197 1.46 26	5087 1.48 26	4975 1.50 26	4863 1.52 25	4751 1.53 25	4507 1.56 24	4255 1.59 24	3959 1.62 23	3633 1.65 22	2727 1.59 21		
WT (3)	1400	5291 1.54 27	5184 1.56 27	5074 1.58 27	4964 1.60 26	4854 1.62 26	4616 1.65 25	4369 1.68 24	4088 1.71 24	3774 1.74 23	2968 1.69 21		
	1425	5386 1.63 28	5280 1.65 28	5172 1.66 27	5064 1.68 27	4956 1.70 27	4724 1.73 26	4482 1.76 25	4217 1.80 25	3908 1.83 24	3205 1.80 22	1526 1.44 22	
WT (3)	1450	5480 1.72 29	5377 1.73 29	5271 1.75 28	5164 1.79 28	5058 1.79 28	4833 1.82 27	4594 1.85 26	4344 1.89 26	4041 1.92 25	3363 1.90 23	2035 1.70 23	
	1475	5575 1.81 30	5473 1.82 30	5369 1.84 29	5264 1.86 29	5160 1.88 29	4940 1.92 28	4706 1.95 27	4472 1.98 27	4173 2.01 26	3517 2.02 24	2379 1.89 24	
WT (3)	1500	5669 1.90 31	5569 1.92 30	5467 1.94 30	5364 1.96 30	5261 1.98 29	5048 2.01 29	4817 2.04 28	4587 2.08 28	4304 2.11 27	3670 2.13 25	2663 2.04 24	1764 1.81 24
	1525	5764 2.00 32	5666 2.02 31	5565 2.03 31	5464 2.05 31	5362 2.07 30	5155 2.11 30	4928 2.14 29	4702 2.18 29	4434 2.21 28	3822 2.24 26	2929 2.17 25	2209 1.99 25
WT (3)	1550	5858 2.10 33	5762 2.12 32	5662 2.13 32	5563 2.15 32	5463 2.17 31	5261 2.21 31	5038 2.25 30	4815 2.28 30	4563 2.31 29	3972 2.36 27	3171 2.29 26	2530 2.20 26
	1575	5953 2.20 34	5858 2.22 34	5760 2.24 33	5662 2.26 33	5564 2.28 33	5368 2.32 32	5148 2.35 31	4929 2.39 31	4691 2.42 30	4120 2.48 28	3411 2.42 27	2814 2.37 27

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

The sound ratings shown are loudness values in fan sones at 5 feet (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation type A, free inlet fan sone levels.

VEBK 06
AIR PERFORMANCE



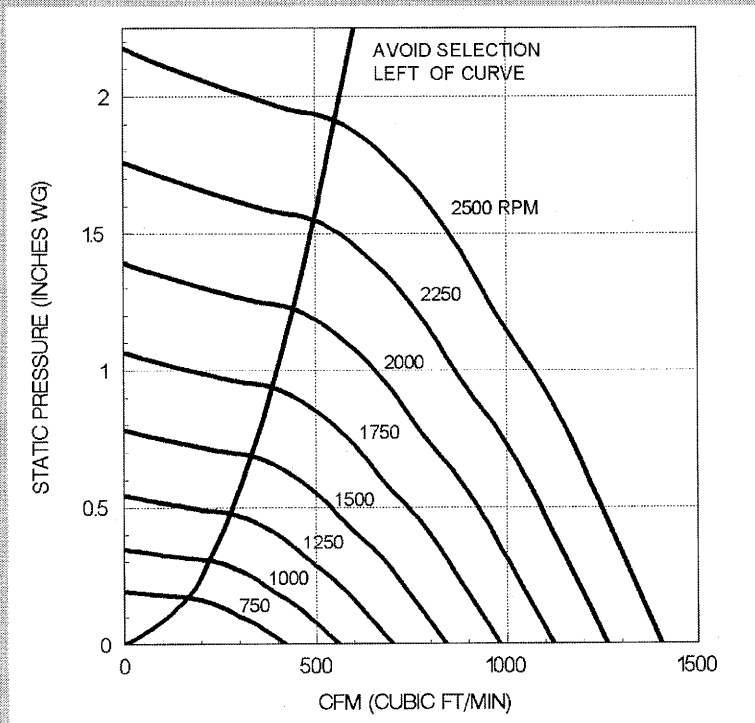
VEBK 06
SOUND PERFORMANCE

RPM	SP INCH W.G.	SOUND POWER RE 10 ⁻¹² WATTS									
		OCTAVE BANDS									
		1	2	3	4	5	6	7	8	9	10
600	.000	37	35	37	34	36	34	31	28	41	
	.125	46	50	47	48	45	44	41	38	51	
1000	.000	56	61	60	59	55	55	53	50	62	
	.500	65	66	63	62	58	55	52	47	64	
1800	.000	67	66	69	65	63	60	60	57	69	
	.375	66	66	66	63	62	58	57	54	67	
	.750	71	71	70	66	65	60	58	54	70	
2100	.000	73	69	74	69	68	63	64	61	73	
	.500	71	70	72	66	66	62	61	58	71	
	1.000	75	75	76	69	70	64	62	58	74	
2300	.000	76	71	77	71	70	65	66	63	75	
	.500	74	72	75	69	69	64	64	61	74	
	1.000	75	75	76	70	70	65	63	60	75	
2500	.000	77	79	79	74	72	67	67	65	78	
	.500	75	75	77	72	71	67	66	63	76	
	1.000	75	77	76	71	70	66	64	61	75	
	1.500	79	82	82	75	75	70	67	63	80	

The sound power level ratings shown are in decibels, referred to 10⁻¹² watts calculated per AMCA Standard 301. Values shown are for inlet L_{wi} sound power levels for installation Type A free inlet, free outlet. Ratings do not include the effects of duct end correction.

Cent. Power Roof Vents

VEBK 08
AIR PERFORMANCE

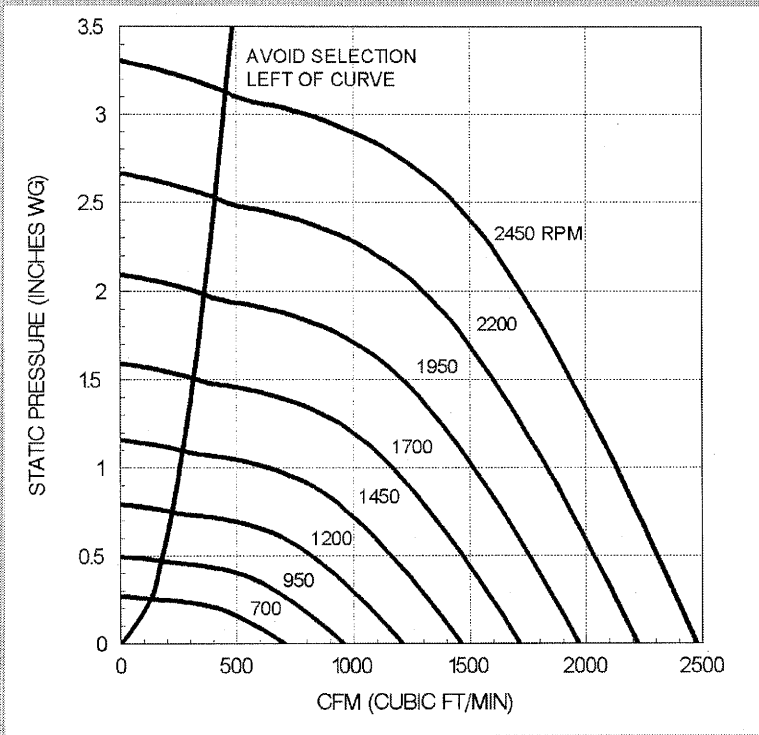


VEBK 08
SOUND PERFORMANCE

RPM	SP INCH W.G.	SOUND POWER RE 10 ⁻¹² WATTS									
		OCTAVE BANDS									
		1	2	3	4	5	6	7	8	9	10
650	.000	41	41	41	40	41	42	42	42	49	
	.250	58	58	53	53	50	52	52	52	59	
1050	.000	60	66	64	62	59	59	59	59	67	
	.500	68	70	64	62	60	58	55	51	66	
1800	.000	68	70	72	67	65	63	64	64	72	
	.500	67	75	71	65	65	62	60	57	70	
	1.000	80	78	74	68	68	64	62	57	73	
2100	.000	73	73	78	71	70	66	67	67	76	
	.500	71	77	77	69	69	66	65	63	75	
	1.000	77	81	78	70	70	67	65	61	76	
2300	.000	76	75	81	74	72	68	69	69	78	
	.750	72	81	80	72	71	68	67	64	77	
	1.500	85	86	83	74	74	70	68	64	80	
2500	.000	77	78	83	77	74	70	71	71	81	
	.500	75	81	83	76	74	70	70	68	80	
	1.000	74	83	83	75	73	70	69	66	80	
	1.750	85	89	86	77	75	72	70	66	82	

The sound power level ratings shown are in decibels, referred to 10⁻¹² watts calculated per AMCA Standard 301. Values shown are for inlet L_{wi} sound power levels for installation Type A free inlet, free outlet. Ratings do not include the effects of duct end correction.

VEBK 10
AIR PERFORMANCE

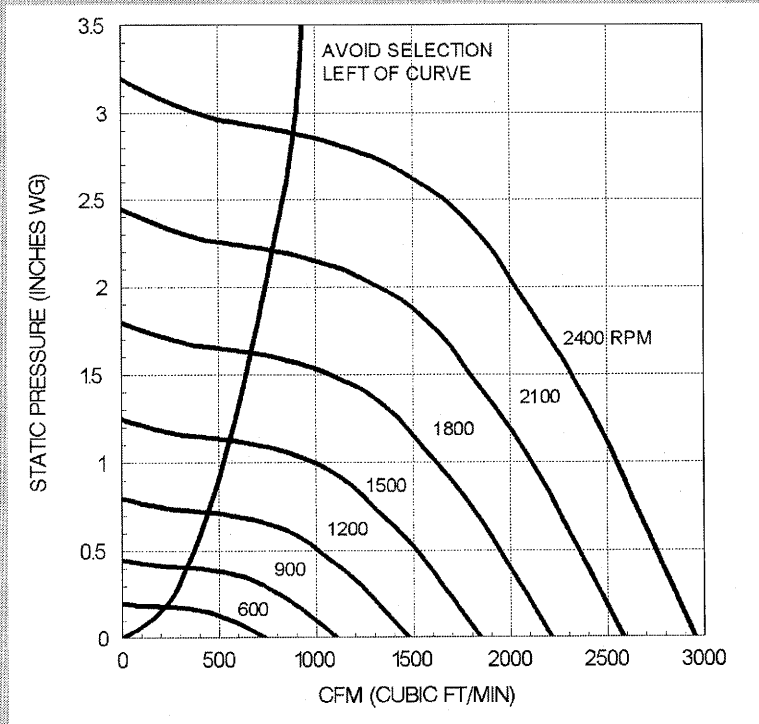


VEBK 10
SOUND PERFORMANCE

RPM	SP INCH W.G.	SOUND POWER RE 10 ⁻¹² WATTS								
		OCTAVE BANDS								
		1	2	3	4	5	6	7	8	
650	.000	49	53	50	49	47	41	34	27	51
	.000	56	66	66	60	60	56	49	42	64
1050	.500	59	63	61	55	53	53	48	43	59
	.000	65	71	74	70	66	64	58	51	72
1400	.375	66	71	72	67	73	60	55	50	69
	.750	64	70	70	65	60	59	56	51	68
	.000	73	75	80	78	71	70	65	58	79
1750	.625	70	76	78	75	68	66	62	56	76
	1.250	68	75	76	72	65	63	63	58	74
	.000	78	79	85	83	76	75	71	64	84
2100	.500	76	80	84	82	75	72	69	63	82
	1.000	74	81	83	80	73	70	67	62	81
	2.000	72	79	81	78	71	68	68	63	79
2450	.000	80	84	87	88	81	78	75	69	88
	1.000	77	85	87	86	79	75	72	67	86
	2.000	74	84	86	84	77	72	71	67	84
	2.500	74	83	85	83	76	72	71	68	84
	3.000	76	83	85	83	76	72	71	68	84

The sound power level ratings shown are in decibels, referred to 10⁻¹² watts calculated per AMCA Standard 301. Values shown are for inlet L_w sound power levels for installation Type A free inlet, free outlet. Ratings do not include the effects of duct end correction.

VEBK 12
AIR PERFORMANCE

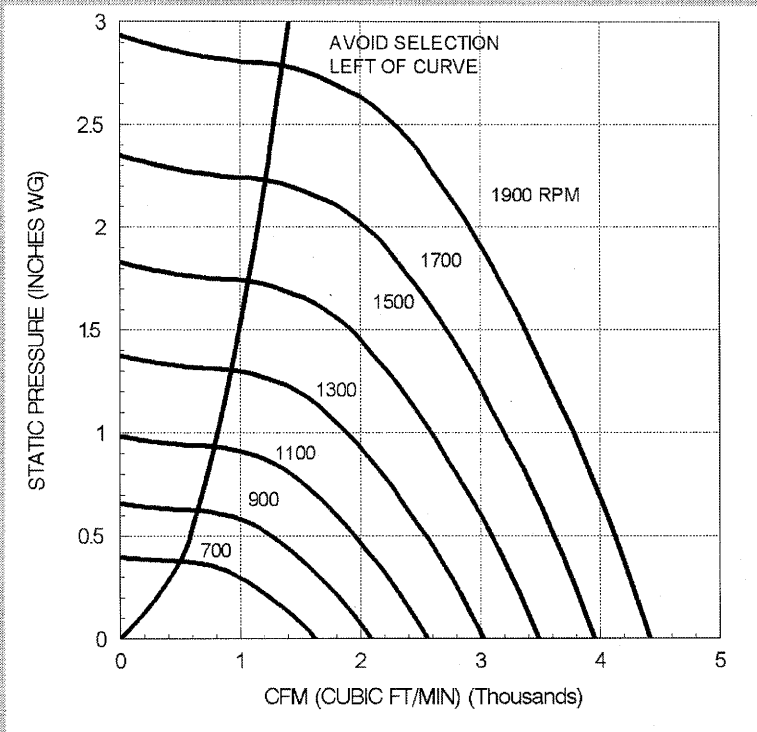


VEBK 12
SOUND PERFORMANCE

RPM	SP INCH W.G.	SOUND POWER RE 10 ⁻¹² WATTS								
		OCTAVE BANDS								
		1	2	3	4	5	6	7	8	
550	.000	55	55	47	47	49	42	34	26	52
	.000	71	71	67	60	61	60	52	44	66
950	.375	71	72	67	58	54	52	48	43	63
	.000	81	82	82	70	66	71	64	56	77
1350	.375	80	82	82	70	64	65	59	52	76
	.750	80	82	83	68	63	61	58	53	76
	.000	85	89	87	81	73	75	72	65	84
1750	.750	85	89	87	81	72	70	67	60	83
	1.500	85	89	88	80	70	66	64	61	83
	.000	89	94	93	88	78	78	78	71	90
2100	.500	88	94	93	89	78	76	75	68	89
	1.000	88	94	93	89	78	74	72	66	89
	2.000	88	94	94	89	76	72	69	66	89
	.000	91	98	98	95	83	80	83	76	95
2450	.500	91	98	98	95	83	79	81	74	95
	1.000	91	98	98	95	83	78	78	72	95
	2.000	90	98	98	96	82	77	75	71	95
	2.750	90	98	98	96	80	76	73	70	95

The sound power level ratings shown are in decibels, referred to 10⁻¹² watts calculated per AMCA Standard 301. Values shown are for inlet L_w sound power levels for installation Type A free inlet, free outlet. Ratings do not include the effects of duct end correction.

VEBK 15
AIR PERFORMANCE



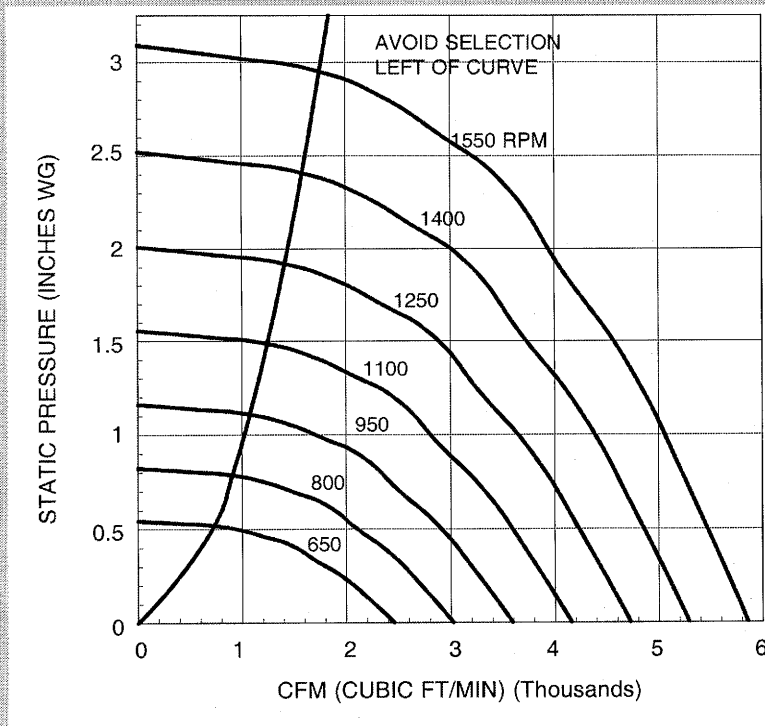
VEBK 15
SOUND PERFORMANCE

RPM	SP INCH W.G.	SOUND POWER RE 10 ⁻¹² WATTS								
		OCTAVE BANDS								
		1	2	3	4	5	6	7	8	
550	.000	61	56	54	52	52	45	38	32	56
	.000	71	72	67	64	62	59	52	45	67
850	.500	76	70	64	59	57	55	52	46	64
	.000	75	77	75	72	70	68	63	55	76
1150	.500	76	78	75	69	66	64	60	54	73
	1.000	77	78	75	67	63	62	59	54	72
1450	.000	82	84	83	78	75	75	70	63	82
	1.000	82	84	83	75	70	69	66	61	79
	1.500	83	84	84	74	69	68	66	60	79
1750	.000	86	89	88	84	80	79	76	69	87
	1.000	85	90	88	82	77	76	72	67	85
	1.500	85	90	89	81	75	73	71	66	85
	2.250	87	89	90	81	74	72	71	66	84
1950	.000	87	93	91	87	83	82	79	72	90
	1.000	87	94	92	86	81	79	76	70	89
	2.000	86	93	92	85	78	75	74	69	88
	2.500	87	92	92	85	77	75	73	69	88
1950	3.000	89	92	92	85	77	75	73	69	88

The sound power level ratings shown are in decibels, referred to 10⁻¹² watts, calculated per AMCA Standard 301. Values shown are for inlet L_w sound power levels for installation Type A free inlet, free outlet. Ratings do not include the effects of duct end correction.

Cent. Power Roof Vents

VEBK 18
AIR PERFORMANCE



VEBK 18
SOUND PERFORMANCE

RPM	SP INCH W.G.	SOUND POWER RE 10 ⁻¹² WATTS								
		OCTAVE BANDS								
		1	2	3	4	5	6	7	8	
550	.000	68	72	63	59	57	54	43	39	63
	.000	73	80	75	68	65	62	55	48	72
750	.625	72	79	74	67	61	56	51	47	70
	.000	77	84	82	75	71	69	65	56	79
950	.500	76	82	81	73	68	65	60	54	76
	1.000	76	82	80	72	67	63	59	54	76
1150	.000	84	85	83	78	74	75	73	66	82
	1.000	83	83	79	74	69	70	68	65	78
	1.500	82	82	78	72	68	68	67	64	76
1350	.000	86	89	89	83	78	78	77	71	86
	1.000	85	88	87	80	75	75	73	70	84
	1.750	85	87	85	78	73	71	71	68	82
1500	2.250	85	87	85	77	72	71	70	68	81
	.000	87	93	93	86	81	80	80	74	90
	1.000	86	92	92	84	79	78	77	73	88
	1.750	86	91	90	82	77	75	74	72	86
1500	2.250	87	90	90	81	75	73	73	71	85
	2.750	87	90	90	81	75	73	73	71	85

The sound power level ratings shown are in decibels, referred to 10⁻¹² watts, calculated per AMCA Standard 301. Values shown are for inlet L_w sound power levels for installation Type A free inlet, free outlet. Ratings do not include the effects of duct end correction.