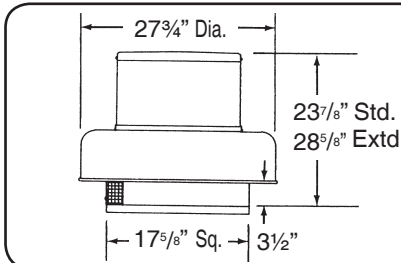


VEBK 10

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.											
(1/6)	RPM	.000	.125	.250	.375	.500	.750	1.000	1.250	1.500	2.000	2.500	2.750
K1		CFM BHP	CFM BHP	CFM BHP	CFM BHP	CFM BHP	CFM BHP	CFM BHP	CFM BHP	CFM BHP	CFM BHP	CFM BHP	CFM BHP
		SONES	SONES	SONES	SONES	SONES	SONES	SONES	SONES	SONES	SONES	SONES	SONES
K2 (1/6)	650	657 .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			
T1 (1-1/2)	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		
T1 (1-1/2)	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		
T1 (1-1/2)	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 .100 17.7	1291 .102 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 .102 19.5	1784 .105 19.0	1665 .108 18.5	1394 .109 17.6	798 .99 17.6	
T1 (1-1/2)	2300	2324 .94 23	2277 .96 23	2232 .98 23	2187 .106 22	2142 .102 22	2048 .105 21	1949 .108 20	1850 .111 19.8	1734 .113 19.3	1478 .116 18.4	1013 .110 18.2	440 .96 18.4
	2350	2375 .100 24	2328 .102 24	2284 .104 23	2240 .106 23	2196 .108 23	2105 .112 22	2008 .115 21	1911 .118 21	1801 .120 20	1562 .124 19.2	1187 .122 18.9	782 .111 18.9
T1 (1-1/2)	2400	2426 .107 25	2379 .109 25	2336 .111 24	2293 .113 24	2250 .115 23	2163 .119 23	2067 .122 22	1972 .125 22	1868 .128 22	1644 .132 21	1305 .131 19.5	1017 .124 19.5
	2450	2476 .114 26	2431 .116 25	2389 .118 25	2346 .120 25	2304 .122 24	2219 .126 24	2126 .129 23	2033 .133 22	1935 .135 22	1716 .139 21	1421 .140 20	1199 .137 20

Performance certified is for installation type A - free inlet, free outlet.
 Performance ratings (bhp) do not include transmission losses.
 Performance ratings do not include the effects of accessories.

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 hemispherical sone levels.