

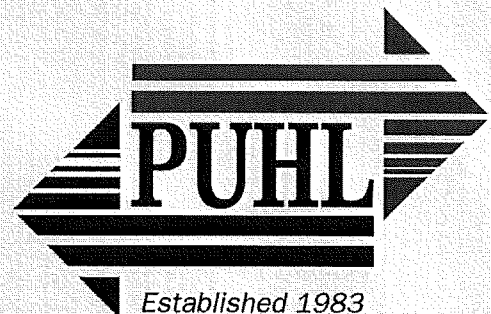
# Series 200 Blowers

217 • 219 • 221 • 223

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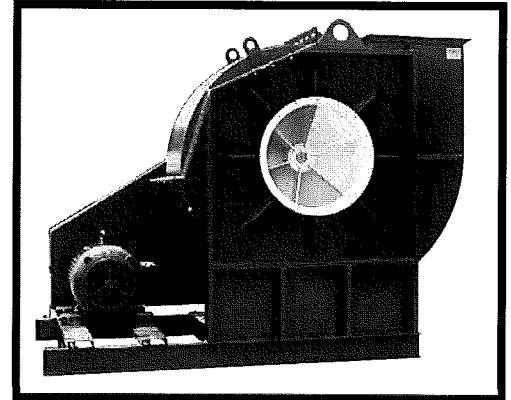
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# 217

**Inlet: 17" Diameter**  
**Outlet Area: 1.56 sq. ft. Inside**  
**Wheel Diameter: 29-5/8"**  
**Wheel Circumference: 7.76 ft.**



Underlined figures indicate maximum efficiency.

STATIC PRESSURE																					
CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4680	3000	680	2.40	800	3.36	<u>910</u>	<u>4.39</u>	1005	5.45	1100	6.60	1185	7.78	1265	9.00	1340	10.4	1410	11.5	1480	13.0
4992	3200	705	2.74	820	3.75	925	4.81	1020	5.94	1115	7.14	1195	8.33	1275	9.61	1350	11.0	1420	12.2	1490	13.7
5304	3400	735	3.15	845	4.19	<u>950</u>	<u>5.33</u>	1040	6.48	1130	7.70	1210	8.96	1290	10.4	1360	11.5	1430	12.9	1500	14.5
5616	3600	765	3.60	870	4.69	970	5.87	1060	7.07	1145	8.32	1225	9.63	1300	10.9	1375	12.4	1445	13.9	1510	15.3
5928	3800	795	4.08	900	5.25	990	6.43	<u>1080</u>	<u>7.70</u>	1165	9.10	1240	10.2	1315	11.6	1390	13.3	1455	14.6	1520	16.0
6240	4000	830	4.64	925	5.83	1015	7.07	1100	8.37	1180	9.72	1260	11.2	1330	12.4	1400	13.9	1470	15.6	1530	16.9
6552	4200	860	5.22	950	6.44	1040	7.76	1125	9.12	<u>1200</u>	<u>10.4</u>	1280	12.0	1350	13.5	1420	15.0	1485	16.6	1545	17.9
7176	4600	920	6.55	1010	7.90	1090	9.29	1170	10.7	1245	12.2	1315	13.6	1385	15.3	1450	16.9	1515	18.5	1575	20.2
7800	5000	985	8.11	1070	9.57	1150	11.2	1220	12.7	1290	14.1	1360	15.9	<u>1425</u>	<u>17.5</u>	1490	19.2	1550	20.9	1610	22.7
8424	5400	1050	9.95	1130	11.6	1200	13.0	1270	14.6	1340	16.5	1405	18.2	1470	19.9	<u>1525</u>	<u>21.5</u>	1590	23.5	1645	25.3
9048	5800	1120	12.2	1190	13.6	1260	15.4	1325	17.0	1390	18.9	1455	20.8	1515	22.6	1570	24.3	<u>1630</u>	<u>26.3</u>	1685	28.3
9672	6200	1185	14.3	1255	16.3	1320	18.0	1385	19.9	1445	21.7	1500	23.4	1560	25.4	1615	27.4	1670	29.4	<u>1725</u>	<u>31.5</u>
10296	6600	1255	17.2	1320	19.1	1380	20.8	1440	22.9	1500	24.8	1555	26.7	1610	28.8	1665	30.8	1715	32.7	1770	35.1

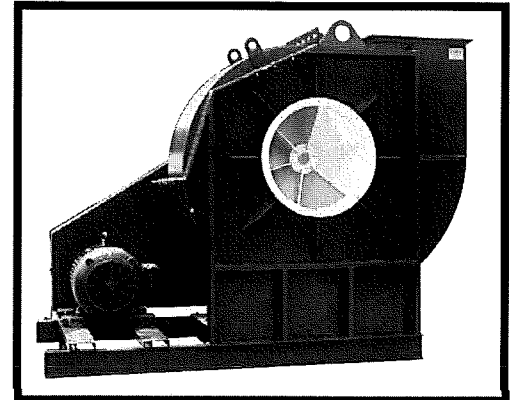
  

STATIC PRESSURE																					
CFM	OV	12" SP		14" SP		16" SP		18" SP		20" SP		22" SP		24" SP		26" SP		28" SP		30" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
4680	3000	<u>1605</u>	<u>15.5</u>	<u>1725</u>	<u>18.6</u>	1835	21.4	1940	24.6	2040	27.9	2130	30.9	2225	34.5	2310	38.0	2395	41.6	2475	45.1
4992	3200	1615	16.5	1730	19.3	<u>1845</u>	<u>22.6</u>	1945	25.6	2045	28.8	2140	32.4	2230	35.8	2315	39.2	2400	42.9	2475	46.4
5304	3400	1625	17.4	1740	20.4	<u>1850</u>	<u>23.4</u>	1955	26.9	2050	30.0	2145	33.5	2235	37.1	2320	40.7	2405	44.5	2485	48.3
5616	3600	1635	18.3	1750	21.5	1860	24.7	<u>1960</u>	<u>27.9</u>	2060	31.5	2150	34.8	2240	38.5	2325	42.1	2410	46.1	2490	49.9
5928	3800	1645	19.3	1760	22.5	1865	25.6	1970	29.3	2065	32.6	<u>2160</u>	<u>36.3</u>	2245	39.8	2335	43.8	2415	47.6	2495	51.6
6240	4000	1655	20.2	1770	23.6	1875	26.9	1975	30.3	2075	34.1	<u>2165</u>	<u>37.6</u>	<u>2255</u>	<u>41.5</u>	<u>2340</u>	<u>45.3</u>	2420	49.2	2500	53.2
6552	4200	1665	21.2	1780	24.7	1885	28.1	1990	31.8	2080	35.2	2175	39.2	2260	42.9	<u>2345</u>	<u>46.8</u>	<u>2425</u>	<u>50.7</u>	2505	54.9
7176	4600	1695	23.7	1805	27.3	1910	30.9	2005	34.5	2100	38.3	2190	42.2	2275	46.2	2360	50.3	2445	54.6	2520	58.7
7800	5000	1725	26.3	1830	30.0	1930	33.6	2025	37.4	2120	41.5	2210	45.6	2300	50.0	2375	53.8	2455	58.1	2535	62.7
8424	5400	1755	29.1	1860	33.0	1955	36.7	2055	41.0	2145	45.1	2230	49.2	2315	53.5	2400	58.2	2475	62.4	2550	66.9
9048	5800	1790	32.2	1890	36.1	1985	40.1	2080	44.5	2170	48.8	2255	53.2	2335	57.5	2420	62.3	2500	66.9	2570	71.4
9672	6200	1825	35.4	1925	39.7	2020	44.1	2110	48.4	2195	52.7	2285	57.6	2365	62.2	2440	66.7	2520	71.7	2595	76.6
10296	6600	1865	39.1	1960	43.5	2055	48.1	2140	52.5	2225	57.1	2310	62.0	2390	66.8	2465	71.5	2540	76.4		

Performance shown is for 200 series Fans with outlet ducts and with inlet ducts.  
 BHP shown does not include belt drive losses.

# 219

**Inlet:** 19" Diameter  
**Outlet Area:** 1.95 sq. ft. Inside  
**Wheel Diameter:** 33"  
**Wheel Circumference:** 8.64 ft.



Underlined figures indicate maximum efficiency.

STATIC PRESSURE																					
CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5850	3000	610	3.00	720	4.21	<u>815</u>	5.47	905	6.82	985	8.21	1065	9.69	1135	11.5	1200	12.7	1265	14.3	1330	16.1
6240	3200	635	3.45	740	4.72	835	6.04	920	7.43	1000	8.90	1075	10.3	1145	12.0	1215	13.7	1275	15.2	1335	16.9
6630	3400	665	3.98	760	5.26	<u>855</u>	6.67	935	8.11	1015	9.64	1085	11.1	1155	12.9	1225	14.6	1290	16.3	1345	17.9
7020	3600	690	4.53	785	5.90	870	7.33	955	8.86	1030	10.5	1100	11.9	1170	13.7	1235	15.4	1300	17.3	1355	19.0
7410	3800	720	5.15	810	6.59	895	8.09	<u>975</u>	9.67	1045	11.2	1115	12.8	1185	14.8	1245	16.3	1310	18.4	1370	20.3
7800	4000	745	5.82	835	7.33	915	8.88	990	10.4	1065	12.3	1135	14.0	1200	15.8	1260	17.5	1320	19.5	1380	21.4
8190	4200	775	6.58	860	8.13	935	9.74	1010	11.3	<u>1080</u>	13.1	1150	15.1	1215	16.9	1275	18.7	1330	20.5	1390	22.5
8970	4600	830	8.25	910	9.94	980	11.6	1055	13.6	1120	15.2	1185	17.3	1245	19.1	1305	21.2	1360	23.1	1420	25.4
9750	5000	890	10.29	965	11.9	1030	13.8	1100	15.9	1160	17.7	1225	19.9	<u>1280</u>	21.7	1340	24.1	1395	26.2	1445	28.2
10530	5400	950	12.60	1020	14.6	1085	16.6	1145	18.4	1205	20.7	1265	22.8	<u>1320</u>	24.9	<u>1375</u>	27.0	1430	29.4	1480	31.6
11310	5800	1010	15.19	1075	17.3	1135	19.3	1195	21.5	1255	23.8	1310	26.0	1360	28.1	<u>1415</u>	30.6	<u>1465</u>	32.9	1515	35.4
12090	6200	1070	18.29	1135	20.5	1190	22.6	1245	24.8	1300	27.2	1355	29.6	1405	32.0	1455	34.3	<u>1505</u>	36.9	<u>1550</u>	39.3
12870	6600	1135	21.71	1190	23.9	1245	26.3	1300	28.8	1350	31.1	1400	33.55	1450	36.1	1500	38.8	1545	41.2	1590	43.8

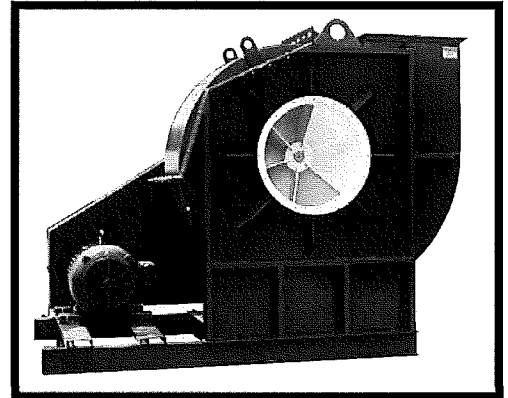
  

STATIC PRESSURE																					
CFM	OV	12" SP		14" SP		16" SP		18" SP		20" SP		22" SP		24" SP		26" SP		28" SP		30" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
5850	3000	<u>1445</u>	19.6	<u>1550</u>	23.1	1650	26.8	1745	30.7	1830	34.5	1915	38.7	2000	43.1	2075	47.1	2150	51.6	2225	56.4
6240	3200	1450	20.5	<u>1555</u>	24.1	<u>1655</u>	28.0	1750	32.0	1835	35.9	1920	40.1	2005	44.4	2080	48.9	2155	53.5	2225	58.0
6630	3400	1460	21.7	1565	25.5	1660	29.2	<u>1755</u>	33.4	1845	37.6	1925	41.7	2010	46.3	2085	50.7	2160	55.4	2230	60.0
7020	3600	1470	22.9	1570	26.6	1670	30.7	<u>1760</u>	34.7	<u>1850</u>	39.1	1935	43.6	2015	47.8	2090	52.6	2165	57.3	2235	62.0
7410	3800	1480	24.1	1580	28.0	1675	32.0	1770	36.5	1855	40.6	<u>1940</u>	45.3	<u>2020</u>	49.8	2095	54.4	2170	59.3	2240	64.1
7800	4000	1490	25.4	1590	29.4	1685	33.6	1775	37.8	1865	42.5	1945	47.0	2025	51.7	2100	56.4	2175	61.3	2245	66.2
8190	4200	1500	26.7	1600	30.9	1695	35.2	1785	39.6	1870	44.2	1955	48.9	2030	53.5	<u>2110</u>	58.6	<u>2180</u>	63.5	<u>2250</u>	68.5
8970	4600	1525	29.7	1620	33.8	1715	38.5	1805	43.3	1890	48.1	1970	52.9	2045	57.7	2120	62.8	2195	68.1	2265	73.3
9750	5000	1550	32.8	1645	37.4	1740	42.2	1825	47.1	1905	51.9	1985	56.9	2060	62.0	2135	67.3	2210	72.8	2280	78.4
10530	5400	1575	36.4	1670	41.1	1760	46.1	1845	51.1	1925	56.4	2005	61.5	2080	66.9	2155	72.5	2225	78.0	2290	83.4
11310	5800	1610	40.2	1700	45.2	1790	50.5	1870	55.7	1950	61.0	2030	66.7	2100	72.0	2175	77.9	2240	83.3	2310	89.3
12090	6200	1645	44.6	1730	49.6	1815	55.0	1900	60.7	1975	66.2	2050	71.8	2125	77.6	2195	83.5	2260	89.2	2330	95.5
12870	6600	1680	49.2	1765	54.6	1850	60.3	1925	65.8	2005	71.8	2075	77.7	2150	83.7	2220	89.7	2285	95.7	2350	102.1

Performance shown is for 200 series Fans with outlet ducts and with inlet ducts.  
 BHP shown does not include belt drive losses.

**221**

**Inlet: 21" Diameter**  
**Outlet Area: 2.39 sq. ft. Inside**  
**Wheel Diameter: 36-1/2"**  
**Wheel Circumference: 9.56 ft.**



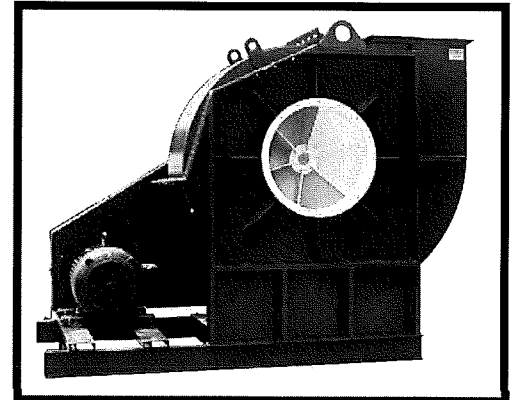
Underlined figures indicate maximum efficiency.

STATIC PRESSURE											
CFM	OV	1" SP RPM BHP	2" SP RPM BHP	3" SP RPM BHP	4" SP RPM BHP	5" SP RPM BHP	6" SP RPM BHP	7" SP RPM BHP	8" SP RPM BHP	9" SP RPM BHP	10" SP RPM BHP
7170	3000	555 3.65	650 5.09	740 6.66	820 8.29	890 9.97	960 11.7	1025 13.5	1090 15.6	1145 17.4	1200 19.4
7648	3200	575 4.18	670 5.73	755 7.36	830 9.05	900 10.7	975 12.8	1040 14.7	1095 16.5	1155 18.6	1210 20.8
8126	3400	600 4.82	690 6.43	770 8.09	845 9.86	920 11.8	985 13.8	1050 15.7	1110 17.8	1165 19.8	1230 22.0
8604	3600	625 5.51	710 7.17	790 8.95	860 10.7	930 12.6	995 14.6	1060 16.8	1115 18.7	1175 21.1	1225 23.1
9082	3800	650 6.27	730 8.01	810 9.85	880 11.8	945 13.6	1010 15.8	1070 17.8	1130 20.2	1185 22.4	1235 24.5
880	4000	675 7.10	755 8.92	830 10.9	895 12.7	960 14.7	1025 17.1	1085 19.3	1140 21.4	1195 23.6	1245 26.1
10038	4200	700 7.99	780 9.93	850 12.0	915 13.9	980 16.2	1040 18.3	1100 20.6	1155 22.9	1210 25.2	1260 27.6
10994	4600	755 10.2	825 12.2	890 14.3	955 16.6	1015 18.8	1070 20.9	1130 23.5	1180 25.8	1230 28.2	1280 30.7
11950	5000	805 12.4	870 14.6	935 17.0	995 19.4	1050 21.7	1110 24.3	1160 26.7	1210 29.2	1260 31.8	1310 34.7
12906	5400	860 15.4	920 17.6	980 20.0	1035 22.5	1090 25.0	1145 27.8	1195 30.4	1245 33.2	1290 35.8	1340 38.8
13862	5800	915 18.6	975 21.3	1030 23.8	1085 26.5	1135 29.1	1185 31.8	1230 34.5	1280 37.4	1325 40.2	1370 43.3
14818	6200	970 22.3	1025 24.9	1080 27.8	1130 30.6	1180 33.5	1225 36.3	1270 39.1	1320 42.3	1360 45.1	1405 48.3
15774	6600	1025 26.5	1080 29.4	1130 32.4	1175 35.1	1220 38.1	1270 41.3	1310 44.1	1360 47.5	1400 50.6	1440 53.8
STATIC PRESSURE											
CFM	OV	12" SP RPM BHP	14" SP RPM BHP	16" SP RPM BHP	18" SP RPM BHP	20" SP RPM BHP	22" SP RPM BHP	24" SP RPM BHP	26" SP RPM BHP	28" SP RPM BHP	30" SP RPM BHP
7170	3000	1305 23.7	1400 28.0	1490 32.5	1575 37.4	1655 42.2	1730 47.1	1805 52.4	1875 57.6	1945 63.0	2010 68.5
7648	3200	1310 24.9	1405 29.4	1495 34.0	1580 39.9	1660 43.8	1735 48.9	1810 54.3	1880 59.7	1950 65.4	2015 71.0
8126	3400	1320 26.4	1415 31.1	1505 35.8	1590 40.8	1665 45.8	1740 50.9	1815 56.4	1885 61.9	1950 67.5	2015 73.0
8604	3600	1325 27.6	1420 32.4	1510 37.5	1595 42.6	1670 47.6	1745 52.9	1820 58.5	1890 64.3	1960 70.0	2020 75.7
9080	3800	1335 29.2	1430 34.3	1515 39.0	1600 44.4	1680 49.8	1750 55.0	1825 60.7	1895 66.5	1960 72.2	2025 78.3
9560	4000	1345 30.9	1440 36.0	1525 41.1	1605 46.2	1685 51.8	1760 57.5	1830 63.0	1900 69.0	1965 74.8	2030 80.9
10038	4200	1355 32.4	1445 37.7	1535 43	1615 48.5	1690 53.8	1765 59.7	1840 65.6	1905 71.4	1970 77.4	2035 83.6
10994	4600	1375 36.0	1465 41.5	1550 47	1630 52.7	1705 58.3	1780 64.5	1850 70.6	1920 76.9	1980 82.9	2045 89.2
11950	5000	1400 39.9	1485 45.5	1570 51.5	1650 57.4	1725 63.5	1795 69.6	1865 76.1	1965 82.6	2000 89.1	2060 95.6
12906	5400	1430 44.5	1510 50.2	1590 56.2	1670 62.7	1740 68.6	1815 75.4	1880 81.8	1950 88.7	2010 95.1	2075 103
13862	5800	1455 49.1	1540 55.4	1620 61.8	1690 67.9	1765 74.6	1830 81.1	1900 88.1	1965 95.1	2030 103	2090 110
14818	6200	1485 54.3	1565 60.7	1640 67.2	1715 74.0	1790 80.0	1855 87.8	1920 94.8	1985 103	2045 110	2105 116
15774	6600	1520 60.3	1600 66.9	1670 73.5	1740 80.4	1810 87.7	1880 94.9	1945 103	2005 110	2070 118	2125 125

Performance shown is for 200 series Fans with outlet ducts and with inlet ducts.  
 BHP shown does not include belt drive losses.

**223**

**Inlet: 23" Diameter**  
**Outlet Area: 2.90 sq. ft. Inside**  
**Wheel Diameter: 40"**  
**Wheel Circumference: 10.47 ft.**



Underlined figures indicate maximum efficiency.

STATIC PRESSURE																					
CFM	OV	1" SP		2" SP		3" SP		4" SP		5" SP		6" SP		7" SP		8" SP		9" SP		10" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
8700	3000	510	4.46	595	6.19	<u>675</u>	8.06	750	10.1	815	12.0	880	14.4	940	16.6	995	18.9	1045	21.0	1095	23.5
9280	3200	530	5.14	615	6.99	690	8.93	760	10.9	825	13.0	890	15.5	945	17.6	1000	19.9	1055	22.5	1105	25.1
9860	3400	550	5.88	635	7.84	<u>705</u>	9.85	775	12.0	840	14.3	900	16.5	955	18.8	1010	21.3	1065	24.0	1110	26.4
9860	3600	575	6.76	650	8.76	725	11.0	790	13.1	855	15.5	910	17.7	970	20.4	1020	22.7	1070	25.4	1120	28.0
11020	3800	600	7.70	670	9.78	740	11.9	<u>805</u>	14.2	865	16.6	925	19.3	980	21.8	1030	24.2	1080	26.9	1130	29.8
11600	4000	620	8.71	690	10.8	760	13.3	820	15.5	880	18.0	935	20.5	990	23.2	1045	26.1	1090	28.6	1140	31.6
12180	4200	645	9.83	715	12.2	780	14.6	840	17.1	<u>895</u>	19.5	950	22.1	1005	25.0	1055	27.8	1105	30.6	1150	33.4
13340	4600	695	12.5	755	14.8	815	17.3	875	20.1	930	22.9	980	25.5	1030	28.4	1080	31.4	1130	34.6	1170	37.3
14500	5000	7.40	15.3	800	18.0	860	20.9	915	23.8	965	26.6	1015	29.6	<u>1065</u>	32.7	1110	35.7	1155	38.9	1200	42.1
15660	5400	790	18.8	850	21.9	900	24.6	955	27.9	1000	30.7	1050	34.0	<u>1095</u>	37.1	<u>1140</u>	40.5	1185	43.8	1225	47.1
16820	5800	840	22.8	895	25.9	945	29.1	995	32.4	1040	35.5	1085	38.8	1130	42.2	<u>1175</u>	45.7	1215	49.2	1255	52.7
17980	6200	895	27.7	945	30.9	990	34.0	1035	37.4	1080	40.8	1125	44.4	1165	47.8	1210	51.6	<u>1250</u>	55.3	<u>1285</u>	58.7
19140	6600	945	32.8	990	36.0	1035	39.5	1080	43.1	1125	46.9	1165	50.5	1205	54.2	1245	58.0	1285	61.9	1320	65.6

STATIC PRESSURE																					
CFM	OV	12" SP		14" SP		16" SP		18" SP		20" SP		22" SP		24" SP		26" SP		28" SP		30" SP	
		RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
8700	3000	<u>1190</u>	28.5	<u>1280</u>	34.0	1360	39.3	1435	44.9	1510	50.7	1580	56.7	1650	63.2	1710	69.3	1775	75.9	1830	82.3
9280	3200	1200	30.3	<u>1285</u>	35.6	<u>1365</u>	41.1	1445	47.1	1515	53.0	1585	59.2	1655	65.7	1715	71.9	1775	78.4	1835	85.3
9860	3400	1205	31.8	1290	37.3	<u>1375</u>	43.3	<u>1450</u>	49.2	1520	55.2	1590	61.5	1655	68.0	1720	74.6	1780	81.3	1840	88.2
9860	3600	1210	33.4	1300	39.4	1380	45.3	<u>1455</u>	51.3	1525	57.5	1595	64.1	1660	70.6	1725	77.4	1785	84.2	1845	91.3
11020	3800	1220	35.4	1305	41.3	1385	47.3	1460	53.5	<u>1530</u>	59.9	1600	66.5	<u>1665</u>	73.3	1725	80.1	1790	87.3	1850	94.7
11600	4000	1230	37.4	1315	43.5	1390	49.4	1465	55.9	1535	62.4	<u>1605</u>	69.2	<u>1670</u>	76.0	<u>1735</u>	83.3	1795	90.5	1855	97.8
12180	4200	1235	39.2	1320	45.5	1400	52.0	1475	58.5	1545	65.2	1610	71.9	1675	79.0	<u>1740</u>	86.3	<u>1800</u>	93.6	<u>1860</u>	101.1
13340	4600	1260	43.9	1340	50.3	1415	56.8	1490	63.9	1560	70.9	1625	78.0	1690	85.3	1750	92.6	1810	99.9	1870	108.1
14500	5000	1280	48.5	1360	55.4	1435	62.5	1505	69.5	1575	76.9	1640	84.4	1705	92.1	1765	99.8	1825	108.1	1880	115.9
15660	5400	1305	53.9	1385	61.2	1455	68.3	1525	75.8	1595	83.6	1655	91.0	1720	99.1	1780	107	1840	116.1	1895	123.9
16820	5800	1335	60.0	1405	67.2	1475	74.7	1545	82.5	1615	90.8	1675	98.6	1735	106.9	1795	115	1855	124.1		
17980	6200	1360	66.3	1435	74.2	1505	82.1	1570	90.1	1635	98.3	1695	106.9	1755	114.9	1815	124.1	1870	133		
19140	6600	<u>1390</u>	73.3	1460	81.4	1530	89.8	1595	98.2	1655	106.9	1720	115.1	1775	123.9	1830	132.9	1890	142.1		

Performance shown is for 200 series Fans with outlet ducts and with inlet ducts.  
 BHP shown does not include belt drive losses.