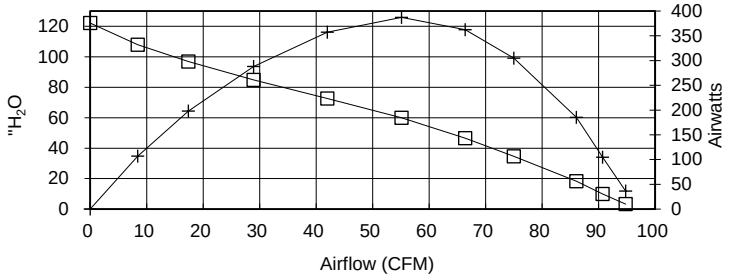
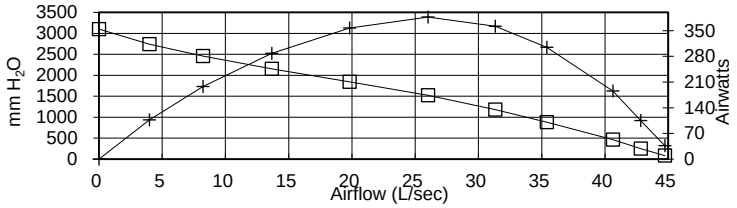
Date Last Modified: 4/29/2015

# 6600-200
# AIRFLOW
# PERFORMANCE

Volts = 120




| ORIFICE (Inches) | SUCTION ("$H_2O$) | INPUT WATTS | AMPS | RPM'S | CORR. SUCTION ("$H_2O$) | AIR FLOW (CFM) | CORR. INPUT WATTS | AIR WATTS | H.P. | OVERALL EFF.(%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 3.12 | 1090 | 9.5 | 18,724 | 3.3 | 94.8 | 1132 | 36.44 | 0.049 | 3.22 |
| 1.5 | 9.37 | 1097 | 9.6 | 18,646 | 9.8 | 90.7 | 1140 | 104.85 | 0.141 | 9.20 |
| 1.25 | 17.47 | 1106 | 9.6 | 18,546 | 18.4 | 86.1 | 1149 | 185.51 | 0.249 | 16.15 |
| 1 | 32.91 | 1118 | 9.8 | 18,359 | 34.6 | 75.0 | 1162 | 304.64 | 0.408 | 26.23 |
| 0.875 | 44.24 | 1123 | 9.8 | 18,291 | 46.5 | 66.4 | 1166 | 362.41 | 0.486 | 31.08 |
| 0.75 | 56.94 | 1111 | 9.7 | 18,416 | 59.9 | 55.1 | 1154 | 387.22 | 0.519 | 33.57 |
| 0.625 | 68.99 | 1069 | 9.3 | 18,888 | 72.5 | 42.0 | 1110 | 357.35 | 0.479 | 32.20 |
| 0.5 | 80.65 | 1009 | 8.7 | 19,671 | 84.8 | 28.9 | 1048 | 288.04 | 0.386 | 27.50 |
| 0.375 | 92.10 | 940 | 8.1 | 20,661 | 96.9 | 17.4 | 976 | 197.94 | 0.265 | 20.27 |
| 0.25 | 102.55 | 880 | 7.5 | 21,689 | 107.8 | 8.4 | 914 | 106.86 | 0.143 | 11.69 |
| 0 | 116.13 | 824 | 7.0 | 22,765 | 122.1 | 0.0 | 855 | 0.00 | 0.000 | 0.00 |
| | POLYNOMIAL PEAK AIRWATTS: 386.23 | | | | | | | | | |




| *Metric Data* | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| ORIFICE (mm) | SUCTION (mm $H_2O$) | INPUT WATTS | AMPS | RPM'S | CORR. SUCTION (mm $H_2O$) | AIR FLOW (L/sec) | CORR. INPUT WATTS | AIR WATTS | H.P. | OVERALL EFF.(%) |
| 50.8 | 79 | 1090 | 9.5 | 18,724 | 83 | 44.7 | 1132 | 36.4 | 0.049 | 3.22 |
| 38.1 | 238 | 1097 | 9.6 | 18,646 | 250 | 42.8 | 1140 | 104.8 | 0.141 | 9.20 |
| 31.8 | 444 | 1106 | 9.6 | 18,546 | 467 | 40.6 | 1149 | 185.5 | 0.249 | 16.15 |
| 25.4 | 836 | 1118 | 9.8 | 18,359 | 879 | 35.4 | 1162 | 304.6 | 0.408 | 26.23 |
| 22.2 | 1124 | 1123 | 9.8 | 18,291 | 1182 | 31.3 | 1166 | 362.4 | 0.486 | 31.08 |
| 19.1 | 1446 | 1111 | 9.7 | 18,416 | 1521 | 26.0 | 1154 | 387.2 | 0.519 | 33.57 |
| 15.9 | 1752 | 1069 | 9.3 | 18,888 | 1843 | 19.8 | 1110 | 357.4 | 0.479 | 32.20 |
| 12.7 | 2049 | 1009 | 8.7 | 19,671 | 2154 | 13.7 | 1048 | 288.0 | 0.386 | 27.50 |
| 9.5 | 2339 | 940 | 8.1 | 20,661 | 2460 | 8.2 | 976 | 197.9 | 0.265 | 20.27 |
| 6.4 | 2605 | 880 | 7.5 | 21,689 | 2739 | 4.0 | 914 | 106.9 | 0.143 | 11.69 |
| 0.0 | 2950 | 824 | 7.0 | 22,765 | 3102 | 0.0 | 855 | 0.0 | 0.000 | 0.00 |
| | POLYNOMIAL PEAK AIRWATTS: 386.23 | | | | | | | | | |

| ORIFICE (mm) | SUCTION (kPa) | INPUT WATTS | AMPS | RPM'S | CORR. SUCTION (kPa) | AIR FLOW (cu m/h) | CORR. INPUT WATTS | AIR WATTS | H.P. | OVERALL EFF.(%) |
|---|---|---|---|---|---|---|---|---|---|---|
| 50.8 | 0.776 | 1090 | 9.5 | 18,724 | 0.82 | 161.05 | 1132 | 36.4 | 0.049 | 3.22 |
| 38.1 | 2.333 | 1097 | 9.6 | 18,646 | 2.45 | 154.15 | 1140 | 104.8 | 0.141 | 9.20 |
| 31.8 | 4.350 | 1106 | 9.6 | 18,546 | 4.57 | 146.25 | 1149 | 185.5 | 0.249 | 16.15 |
| 25.4 | 8.197 | 1118 | 9.8 | 18,359 | 8.62 | 127.45 | 1162 | 304.6 | 0.408 | 26.23 |
| 22.2 | 11.019 | 1123 | 9.8 | 18,291 | 11.59 | 112.79 | 1166 | 362.4 | 0.486 | 31.08 |
| 19.1 | 14.181 | 1111 | 9.7 | 18,416 | 14.91 | 93.64 | 1154 | 387.2 | 0.519 | 33.57 |
| 15.9 | 17.183 | 1069 | 9.3 | 18,888 | 18.07 | 71.32 | 1110 | 357.4 | 0.479 | 32.20 |
| 12.7 | 20.088 | 1009 | 8.7 | 19,671 | 21.12 | 49.17 | 1048 | 288.0 | 0.386 | 27.50 |
| 9.5 | 22.940 | 940 | 8.1 | 20,661 | 24.12 | 29.59 | 976 | 197.9 | 0.265 | 20.27 |
| 6.4 | 25.541 | 880 | 7.5 | 21,689 | 26.86 | 14.35 | 914 | 106.9 | 0.143 | 11.69 |
| 0.0 | 28.925 | 824 | 7.0 | 22,765 | 30.42 | 0.00 | 855 | 0.0 | 0.000 | 0.00 |
| | POLYNOMIAL PEAK AIRWATTS: 386.23 | | | | | | | | | |

Standard performance data is typical for a motor from a large production quantity. An individual motor's performance will vary due to normal manufacturing variations. Test standards @ 120 volts, corrected to standard atmospheric conditions: Minimum sealed vacuum = 109.91 inH20, 2792 mmH20 or 27.37 Pa, Maximum open watts = 1279 watts.