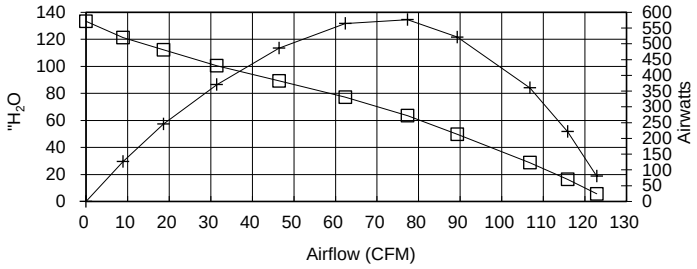
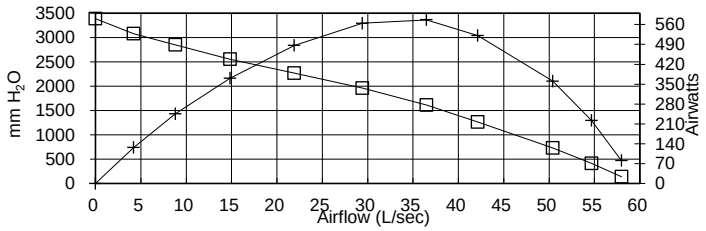
**Date Last Modified: 5/25/2005**

# 6600-9
# AIRFLOW
## PERFORMANCE

**Volts = 240**




| 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 | **5.37** | **1592** | **6.9** | **23,724** | 5.6 | 122.9 | 1641 | 80.60 | 0.108 | 4.91 |
| 1.5 | **15.67** | **1591** | **6.9** | **23,683** | 16.3 | 115.8 | 1640 | 221.77 | 0.297 | 13.52 |
| 1.25 | **27.63** | **1594** | **7.0** | **23,618** | 28.8 | 106.8 | 1643 | 360.47 | 0.483 | 21.94 |
| 1 | **47.79** | **1589** | **6.9** | **23,642** | 49.8 | 89.3 | 1638 | 521.35 | 0.699 | 31.83 |
| 0.875 | **61.05** | **1574** | **6.9** | **23,784** | 63.6 | 77.3 | 1623 | 576.71 | 0.773 | 35.54 |
| 0.75 | **74.08** | **1539** | **6.7** | **24,103** | 77.1 | 62.4 | 1586 | 564.37 | 0.757 | 35.58 |
| 0.625 | **85.72** | **1459** | **6.3** | **24,861** | 89.2 | 46.4 | 1504 | 486.24 | 0.652 | 32.34 |
| 0.5 | **96.55** | **1366** | **5.9** | **25,949** | 100.5 | 31.5 | 1408 | 371.01 | 0.497 | 26.34 |
| 0.375 | **107.81** | **1258** | **5.3** | **27,270** | 112.2 | 18.7 | 1297 | 245.76 | 0.329 | 18.95 |
| 0.25 | **116.43** | **1162** | **4.9** | **28,602** | 121.2 | 8.9 | 1197 | 126.53 | 0.170 | 10.57 |
| 0 | **128.07** | **1086** | **4.5** | **29,849** | 133.3 | 0.0 | 1119 | 0.00 | 0.000 | 0.00 |
| | POLYNOMIAL PEAK AIRWATTS: | | | | **584.15** | | | | | |




| *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 | **136** | **1592** | **6.9** | 23,724 | 142 | 58.0 | 1641 | 80.6 | 0.108 | 4.91 |
| 38.1 | **398** | **1591** | **6.9** | 23,683 | 414 | 54.7 | 1640 | 221.8 | 0.297 | 13.52 |
| 31.8 | **702** | **1594** | **7.0** | 23,618 | 731 | 50.4 | 1643 | 360.5 | 0.483 | 21.94 |
| 25.4 | **1214** | **1589** | **6.9** | 23,642 | 1264 | 42.1 | 1638 | 521.4 | 0.699 | 31.83 |
| 22.2 | **1551** | **1574** | **6.9** | 23,784 | 1614 | 36.5 | 1623 | 576.7 | 0.773 | 35.54 |
| 19.1 | **1882** | **1539** | **6.7** | 24,103 | 1959 | 29.4 | 1586 | 564.4 | 0.757 | 35.58 |
| 15.9 | **2177** | **1459** | **6.3** | 24,861 | 2267 | 21.9 | 1504 | 486.2 | 0.652 | 32.34 |
| 12.7 | **2452** | **1366** | **5.9** | 25,949 | 2553 | 14.8 | 1408 | 371.0 | 0.497 | 26.34 |
| 9.5 | **2738** | **1258** | **5.3** | 27,270 | 2851 | 8.8 | 1297 | 245.8 | 0.329 | 18.95 |
| 6.4 | **2957** | **1162** | **4.9** | 28,602 | 3079 | 4.2 | 1197 | 126.5 | 0.170 | 10.57 |
| 0.0 | **3253** | **1086** | **4.5** | 29,849 | 3386 | 0.0 | 1119 | 0.0 | 0.000 | 0.00 |
| | POLYNOMIAL PEAK AIRWATTS: | | | | **584.15** | | | | | |

| 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 | **1.338** | **1592** | **6.9** | **23,724** | 1.39 | 208.77 | 1641 | 80.6 | 0.108 | 4.91 |
| 38.1 | **3.903** | **1591** | **6.9** | **23,683** | 4.06 | 196.84 | 1640 | 221.8 | 0.297 | 13.52 |
| 31.8 | **6.882** | **1594** | **7.0** | **23,618** | 7.16 | 181.46 | 1643 | 360.5 | 0.483 | 21.94 |
| 25.4 | **11.903** | **1589** | **6.9** | **23,642** | 12.39 | 151.73 | 1638 | 521.4 | 0.699 | 31.83 |
| 22.2 | **15.206** | **1574** | **6.9** | **23,784** | 15.83 | 131.39 | 1623 | 576.7 | 0.773 | 35.54 |
| 19.1 | **18.451** | **1539** | **6.7** | **24,103** | 19.21 | 105.96 | 1586 | 564.4 | 0.757 | 35.58 |
| 15.9 | **21.350** | **1459** | **6.3** | **24,861** | 22.23 | 78.90 | 1504 | 486.2 | 0.652 | 32.34 |
| 12.7 | **24.048** | **1366** | **5.9** | **25,949** | 25.03 | 53.45 | 1408 | 371.0 | 0.497 | 26.34 |
| 9.5 | **26.852** | **1258** | **5.3** | **27,270** | 27.95 | 31.71 | 1297 | 245.8 | 0.329 | 18.95 |
| 6.4 | **28.999** | **1162** | **4.9** | **28,602** | 30.19 | 15.12 | 1197 | 126.5 | 0.170 | 10.57 |
| 0.0 | **31.898** | **1086** | **4.5** | **29,849** | 33.21 | 0.00 | 1119 | 0.0 | 0.000 | 0.00 |
| | POLYNOMIAL PEAK AIRWATTS: | | | | **584.15** | | | | | |

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 @ 240 volts, corrected to standard atmospheric conditions: Minimum sealed vacuum = 119.99 in H2O, 3048 mm H2O or 29.89 kPa, Maximum open watts = 1854 watts.