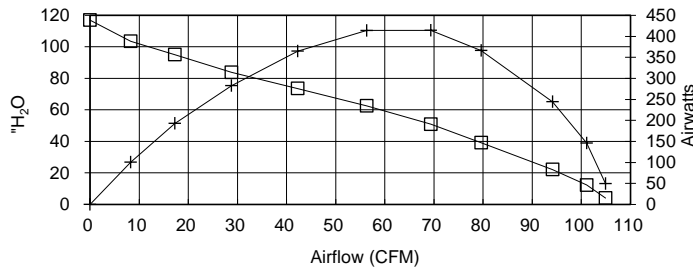


Date Last Modified: 5/25/2005

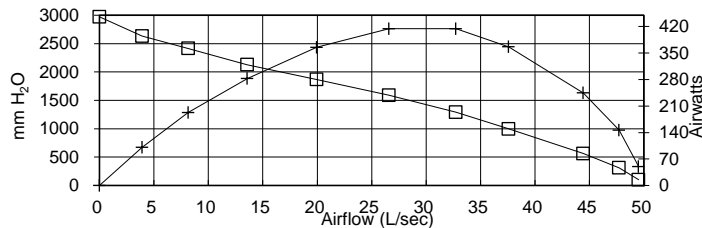
**6600-37A  
AIRFLOW  
PERFORMANCE**

**Volts = 120**



ORIFICE (Inches)	SUCTION ("H <sub>2</sub> O)	INPUT WATTS	AMPS	RPM'S	CORR. SUCTION ("H <sub>2</sub> O)	AIR FLOW (CFM)	CORR. INPUT WATTS	AIR WATTS	H.P.	OVERALL EFF.(%)
2	3.89	1419	12.4	21,681	4.0	104.9	1459	49.72	0.067	3.41
1.5	11.87	1426	12.4	21,549	12.3	101.1	1467	146.19	0.196	9.97
1.25	21.33	1427	12.4	21,444	22.1	94.1	1468	244.59	0.328	16.66
1	37.77	1427	12.5	21,390	39.2	79.6	1468	366.32	0.491	24.96
0.875	49.02	1415	12.3	21,444	50.9	69.3	1455	414.10	0.555	28.45
0.75	60.33	1380	12.0	21,813	62.6	56.3	1419	413.96	0.555	29.16
0.625	70.89	1324	11.5	22,593	73.6	42.3	1362	364.98	0.489	26.80
0.5	80.70	1244	10.8	23,613	83.8	28.8	1280	282.77	0.379	22.10
0.375	91.61	1159	10.0	24,918	95.1	17.3	1192	192.64	0.258	16.16
0.25	99.76	1090	9.3	26,097	103.6	8.3	1121	100.74	0.135	8.99
0	112.75	1052	8.9	27,387	117.0	0.0	1082	0.00	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **421.78**



Metric Data					CORR. SUCTION (mm H <sub>2</sub> O)	AIR FLOW (L/sec)	CORR. INPUT WATTS	AIR WATTS	H.P.	OVERALL EFF.(%)
ORIFICE (mm)	SUCTION (mm H <sub>2</sub> O)	INPUT WATTS	AMPS	RPM'S						
50.8	99	1419	12.4	21,681	103	49.5	1459	49.7	0.067	3.41
38.1	301	1426	12.4	21,549	313	47.7	1467	146.2	0.196	9.97
31.8	542	1427	12.4	21,444	562	44.4	1468	244.6	0.328	16.66
25.4	959	1427	12.5	21,390	996	37.6	1468	366.3	0.491	24.96
22.2	1245	1415	12.3	21,444	1293	32.7	1455	414.1	0.555	28.45
19.1	1532	1380	12.0	21,813	1591	26.6	1419	414.0	0.555	29.16
15.9	1801	1324	11.5	22,593	1869	19.9	1362	365.0	0.489	26.80
12.7	2050	1244	10.8	23,613	2128	13.6	1280	282.8	0.379	22.10
9.5	2327	1159	10.0	24,918	2415	8.1	1192	192.6	0.258	16.16
6.4	2534	1090	9.3	26,097	2630	3.9	1121	100.7	0.135	8.99
0.0	2864	1052	8.9	27,387	2973	0.0	1082	0.0	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **421.78**

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	0.969	1419	12.4	21,681	1.01	178.27	1459	49.7	0.067	3.41
38.1	2.956	1426	12.4	21,549	3.07	171.78	1467	146.2	0.196	9.97
31.8	5.313	1427	12.4	21,444	5.51	159.94	1468	244.6	0.328	16.66
25.4	9.407	1427	12.5	21,390	9.77	135.28	1468	366.3	0.491	24.96
22.2	12.209	1415	12.3	21,444	12.67	117.83	1455	414.1	0.555	28.45
19.1	15.026	1380	12.0	21,813	15.60	95.71	1419	414.0	0.555	29.16
15.9	17.656	1324	11.5	22,593	18.33	71.81	1362	365.0	0.489	26.80
12.7	20.100	1244	10.8	23,613	20.87	48.87	1280	282.8	0.379	22.10
9.5	22.817	1159	10.0	24,918	23.69	29.33	1192	192.6	0.258	16.16
6.4	24.847	1090	9.3	26,097	25.79	14.09	1121	100.7	0.135	8.99
0.0	28.083	1052	8.9	27,387	29.15	0.00	1082	0.0	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **421.78**

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 = 105.34 in H<sub>2</sub>O, 2676 mm H<sub>2</sub>O or 26.24 kPa, Maximum open watts = 1649 watts.