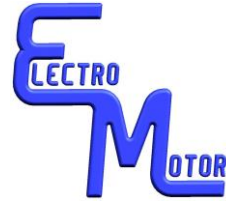
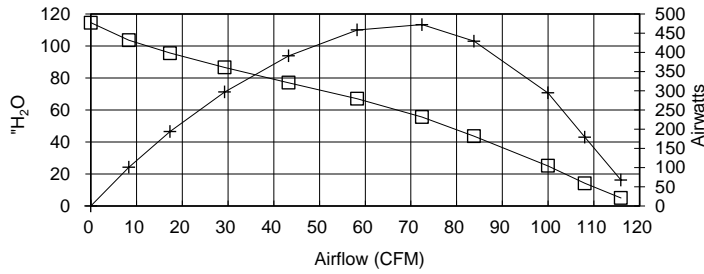


Date Last Modified: 3/29/2010

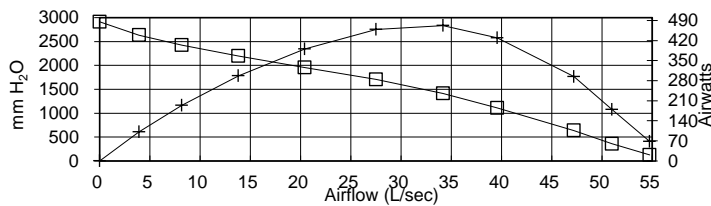
**Q6600-27
AIRFLOW
PERFORMANCE**

Volts = 120



ORIFICE (Inches)	SUCTION (H ₂ O)	INPUT WATTS	AMPS	RPM'S	CORR. SUCTION (H ₂ O)	AIR FLOW (CFM)	CORR. INPUT WATTS	AIR WATTS	H.P.	OVERALL EFF.(%)
2	4.72	1340	11.7	22,549	5.0	115.9	1392	67.52	0.091	4.85
1.5	13.43	1354	11.9	22,438	14.1	108.0	1407	179.10	0.240	12.73
1.25	23.85	1369	12.0	22,277	25.1	100.0	1422	294.49	0.395	20.71
1	41.47	1381	12.1	22,102	43.6	83.8	1435	429.20	0.575	29.92
0.875	52.83	1370	12.0	22,181	55.6	72.4	1423	472.44	0.633	33.19
0.75	63.77	1337	11.7	22,466	67.1	58.3	1389	458.74	0.615	33.03
0.625	73.23	1273	11.1	23,099	77.1	43.2	1323	390.89	0.524	29.56
0.5	82.28	1194	10.4	23,991	86.6	29.2	1241	297.04	0.398	23.94
0.375	90.81	1111	9.6	25,031	95.6	17.3	1154	194.02	0.260	16.81
0.25	98.57	1039	9.0	26,026	103.7	8.3	1079	100.97	0.135	9.36
0	108.90	990	8.5	26,890	114.6	0.0	1028	0.00	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **473.62**



Metric Data					CORR. SUCTION (mm H ₂ O)	AIR FLOW (L/sec)	CORR. INPUT WATTS	AIR WATTS	H.P.	OVERALL EFF.(%)
ORIFICE (mm)	SUCTION (mm H ₂ O)	INPUT WATTS	AMPS	RPM'S						
50.8	120	1340	11.7	22,549	126	54.7	1392	67.5	0.091	4.85
38.1	341	1354	11.9	22,438	359	51.0	1407	179.1	0.240	12.73
31.8	606	1369	12.0	22,277	638	47.2	1422	294.5	0.395	20.71
25.4	1053	1381	12.1	22,102	1108	39.6	1435	429.2	0.575	29.92
22.2	1342	1370	12.0	22,181	1412	34.2	1423	472.4	0.633	33.19
19.1	1620	1337	11.7	22,466	1704	27.5	1389	458.7	0.615	33.03
15.9	1860	1273	11.1	23,099	1957	20.4	1323	390.9	0.524	29.56
12.7	2090	1194	10.4	23,991	2199	13.8	1241	297.0	0.398	23.94
9.5	2307	1111	9.6	25,031	2427	8.2	1154	194.0	0.260	16.81
6.4	2504	1039	9.0	26,026	2635	3.9	1079	101.0	0.135	9.36
0.0	2766	990	8.5	26,890	2911	0.0	1028	0.0	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **473.62**

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	1.174	1340	11.7	22,549	1.24	197.01	1392	67.5	0.091	4.85
38.1	3.344	1354	11.9	22,438	3.52	183.56	1407	179.1	0.240	12.73
31.8	5.941	1369	12.0	22,277	6.25	169.89	1422	294.5	0.395	20.71
25.4	10.328	1381	12.1	22,102	10.87	142.42	1435	429.2	0.575	29.92
22.2	13.159	1370	12.0	22,181	13.85	123.04	1423	472.4	0.633	33.19
19.1	15.883	1337	11.7	22,466	16.71	98.99	1389	458.7	0.615	33.03
15.9	18.240	1273	11.1	23,099	19.19	73.44	1323	390.9	0.524	29.56
12.7	20.494	1194	10.4	23,991	21.57	49.67	1241	297.0	0.398	23.94
9.5	22.619	1111	9.6	25,031	23.80	29.40	1154	194.0	0.260	16.81
6.4	24.551	1039	9.0	26,026	25.83	14.09	1079	101.0	0.135	9.36
0.0	27.122	990	8.5	26,890	28.54	0.00	1028	0.0	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **473.62**

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 = 103.13 inH2O, 2620 mmH2O or 25.69 Pa, Maximum open watts = 1573 watts.