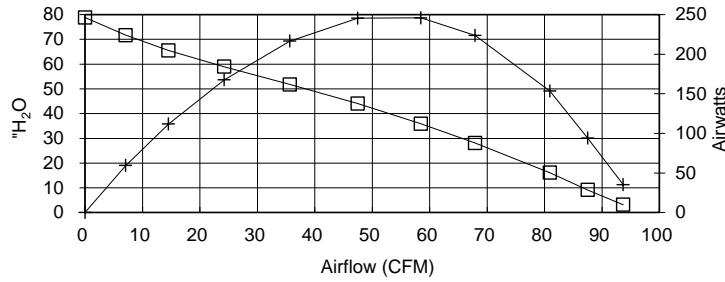


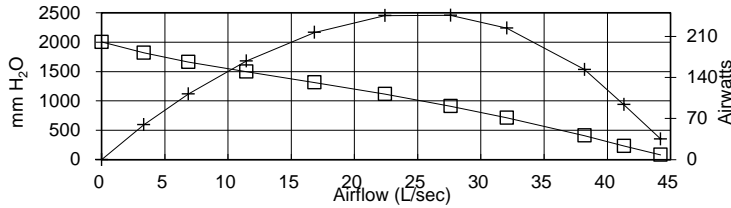
6600-024
AIRFLOW
PERFORMANCE

Volts = 240



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	3.07	746	3.2	17,988	3.2	93.7	770	35.15	0.047	4.56
1.5	8.77	756	3.2	17,889	9.1	87.5	780	93.93	0.126	12.04
1.25	15.48	757	3.2	17,748	16.2	80.9	782	153.39	0.206	19.62
1	26.92	761	3.2	17,575	28.1	67.9	786	223.79	0.300	28.47
0.875	34.36	761	3.2	17,618	35.8	58.5	786	245.91	0.330	31.30
0.75	42.22	750	3.2	17,934	44.0	47.5	775	245.43	0.329	31.69
0.625	49.62	724	3.1	18,440	51.8	35.6	747	216.57	0.290	28.99
0.5	56.53	690	2.9	19,182	59.0	24.2	713	167.71	0.225	23.53
0.375	62.80	654	2.8	20,030	65.5	14.5	675	111.74	0.150	16.55
0.25	68.72	635	2.7	20,917	71.7	7.1	656	59.39	0.080	9.06
0	75.58	608	2.6	21,351	78.9	0.0	628	0.00	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **248.77**



Metric Data					CORR. SUCTION	AIR FLOW	CORR. INPUT	AIR	H.P.	OVERALL
ORIFICE (mm)	SUCTION (mm H ₂ O)	INPUT WATTS	AMPS	RPM'S	(mm H ₂ O)	(L/sec)	WATTS	WATTS		EFF.(%)
50.8	78	746	3.2	17,988	81	44.2	770	35.2	0.047	4.56
38.1	223	756	3.2	17,889	232	41.3	780	93.9	0.126	12.04
31.8	393	757	3.2	17,748	410	38.2	782	153.4	0.206	19.62
25.4	684	761	3.2	17,575	713	32.0	786	223.8	0.300	28.47
22.2	873	761	3.2	17,618	910	27.6	786	245.9	0.330	31.30
19.1	1072	750	3.2	17,934	1119	22.4	775	245.4	0.329	31.69
15.9	1260	724	3.1	18,440	1315	16.8	747	216.6	0.290	28.99
12.7	1436	690	2.9	19,182	1498	11.4	713	167.7	0.225	23.53
9.5	1595	654	2.8	20,030	1664	6.9	675	111.7	0.150	16.55
6.4	1746	635	2.7	20,917	1821	3.3	656	59.4	0.080	9.06
0.0	1920	608	2.6	21,351	2003	0.0	628	0.0	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **248.77**

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	0.763	746	3.2	17,988	0.80	159.16	770	35.2	0.047	4.56
38.1	2.183	756	3.2	17,889	2.28	148.71	780	93.9	0.126	12.04
31.8	3.856	757	3.2	17,748	4.02	137.51	782	153.4	0.206	19.62
25.4	6.705	761	3.2	17,575	7.00	115.37	786	223.8	0.300	28.47
22.2	8.557	761	3.2	17,618	8.93	99.33	786	245.9	0.330	31.30
19.1	10.516	750	3.2	17,934	10.97	80.67	775	245.4	0.329	31.69
15.9	12.359	724	3.1	18,440	12.89	60.57	747	216.6	0.290	28.99
12.7	14.079	690	2.9	19,182	14.69	41.17	713	167.7	0.225	23.53
9.5	15.642	654	2.8	20,030	16.32	24.69	675	111.7	0.150	16.55
6.4	17.117	635	2.7	20,917	17.86	11.99	656	59.4	0.080	9.06
0.0	18.826	608	2.6	21,351	19.64	0.00	628	0.0	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **248.77**

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 = 70.97 inH₂O, 1803 mmH₂O or 17.68 Pa, Maximum open watts = 870 watts.