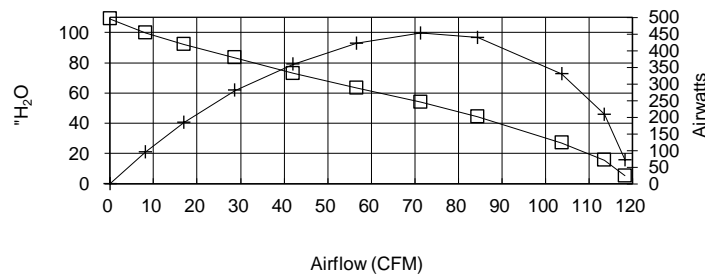


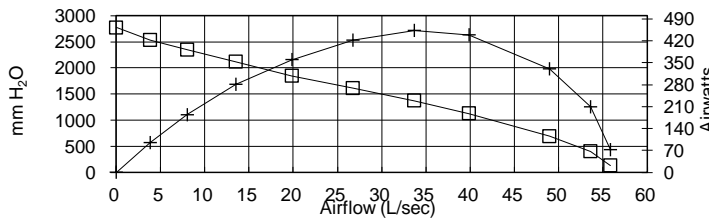
**6900-5
AIRFLOW
PERFORMANCE**

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	4.97	1450	6.2	27,670	5.2	118.3	1494	71.83	0.096	4.81
1.5	15.05	1455	6.2	27,505	15.7	113.6	1500	208.81	0.280	13.92
1.25	26.05	1463	6.3	27,458	27.1	103.8	1508	330.24	0.443	21.90
1	42.58	1446	6.2	27,656	44.3	84.4	1490	439.23	0.589	29.48
0.875	51.91	1412	6.0	28,260	54.0	71.4	1455	452.80	0.607	31.13
0.75	61.00	1339	5.7	29,100	63.5	56.7	1380	422.52	0.566	30.63
0.625	70.03	1252	5.3	30,356	72.9	42.1	1290	359.86	0.482	27.89
0.5	80.13	1156	4.9	31,797	83.4	28.7	1192	280.93	0.377	23.57
0.375	88.65	1074	4.5	33,303	92.3	17.0	1107	184.30	0.247	16.65
0.25	95.94	1001	4.1	34,729	99.9	8.2	1032	95.59	0.128	9.26
0	104.88	947	3.8	35,988	109.2	0.0	976	0.00	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **453.24**



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	126	1450	6.2	27,670	131	55.8	1494	71.8	0.096	4.81
38.1	382	1455	6.2	27,505	398	53.6	1500	208.8	0.280	13.92
31.8	662	1463	6.3	27,458	689	49.0	1508	330.2	0.443	21.90
25.4	1082	1446	6.2	27,656	1126	39.9	1490	439.2	0.589	29.48
22.2	1319	1412	6.0	28,260	1372	33.7	1455	452.8	0.607	31.13
19.1	1549	1339	5.7	29,100	1613	26.8	1380	422.5	0.566	30.63
15.9	1779	1252	5.3	30,356	1852	19.9	1290	359.9	0.482	27.89
12.7	2035	1156	4.9	31,797	2119	13.5	1192	280.9	0.377	23.57
9.5	2252	1074	4.5	33,303	2344	8.0	1107	184.3	0.247	16.65
6.4	2437	1001	4.1	34,729	2537	3.8	1032	95.6	0.128	9.26
0.0	2664	947	3.8	35,988	2773	0.0	976	0.0	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **453.24**

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	1.238	1450	6.2	27,670	1.29	201.05	1494	71.8	0.096	4.81
38.1	3.748	1455	6.2	27,505	3.90	192.99	1500	208.8	0.280	13.92
31.8	6.488	1463	6.3	27,458	6.75	176.34	1508	330.2	0.443	21.90
25.4	10.605	1446	6.2	27,656	11.04	143.49	1490	439.2	0.589	29.48
22.2	12.929	1412	6.0	28,260	13.46	121.34	1455	452.8	0.607	31.13
19.1	15.193	1339	5.7	29,100	15.81	96.35	1380	422.5	0.566	30.63
15.9	17.442	1252	5.3	30,356	18.16	71.48	1290	359.9	0.482	27.89
12.7	19.958	1156	4.9	31,797	20.77	48.77	1192	280.9	0.377	23.57
9.5	22.080	1074	4.5	33,303	22.98	28.92	1107	184.3	0.247	16.65
6.4	23.896	1001	4.1	34,729	24.87	13.86	1032	95.6	0.128	9.26
0.0	26.122	947	3.8	35,988	27.19	0.00	976	0.0	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **453.24**

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 = 98.25 in H₂O, 2496 mm H₂O or 24.47 kPa, Maximum open watts = 1689 watts.