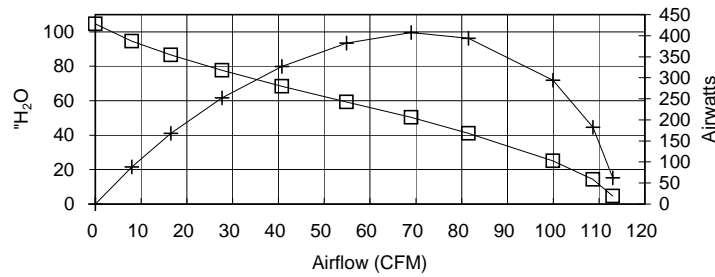


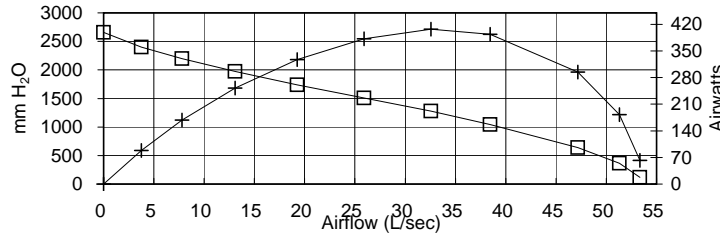
**6900-4  
AIRFLOW  
PERFORMANCE**

**Volts = 120**



ORIFICE (Inches)	SUCTION (inches H <sub>2</sub> O)	INPUT WATTS	AMPS	RPM'S	CORR. SUCTION (inches H <sub>2</sub> O)	AIR FLOW (CFM)	CORR. INPUT WATTS	AIR WATTS	H.P.	OVERALL EFF.(%)
2	4.54	1378	11.9	26,718	4.7	113.0	1416	62.39	0.084	4.41
1.5	13.81	1390	12.0	26,500	14.3	108.7	1428	182.58	0.245	12.79
1.25	24.21	1397	12.1	26,435	25.1	100.0	1435	294.33	0.395	20.51
1	39.71	1379	11.9	26,764	41.2	81.5	1417	393.53	0.528	27.78
0.875	48.56	1341	11.6	27,133	50.3	69.0	1378	407.31	0.546	29.57
0.75	57.28	1267	10.9	28,041	59.4	54.9	1302	382.27	0.512	29.37
0.625	65.98	1184	10.1	29,382	68.4	40.8	1216	327.23	0.439	26.90
0.5	74.88	1095	10.1	29,574	77.6	27.7	1125	252.30	0.338	22.43
0.375	83.56	1017	8.6	32,310	86.6	16.5	1045	167.91	0.225	16.07
0.25	91.22	941	7.9	33,861	94.5	8.0	967	88.31	0.118	9.14
0	100.90	882	7.4	35,247	104.6	0.0	906	0.00	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **407.77**



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	115	1378	11.9	26,718	120	53.3	1416	62.4	0.084	4.41
38.1	351	1390	12.0	26,500	364	51.3	1428	182.6	0.245	12.79
31.8	615	1397	12.1	26,435	637	47.2	1435	294.3	0.395	20.51
25.4	1009	1379	11.9	26,764	1045	38.5	1417	393.5	0.528	27.78
22.2	1233	1341	11.6	27,133	1278	32.6	1378	407.3	0.546	29.57
19.1	1455	1267	10.9	28,041	1508	25.9	1302	382.3	0.512	29.37
15.9	1676	1184	10.1	29,382	1737	19.2	1216	327.2	0.439	26.90
12.7	1902	1095	10.1	29,574	1971	13.1	1125	252.3	0.338	22.43
9.5	2122	1017	8.6	32,310	2200	7.8	1045	167.9	0.225	16.07
6.4	2317	941	7.9	33,861	2401	3.8	967	88.3	0.118	9.14
0.0	2563	882	7.4	35,247	2656	0.0	906	0.0	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **407.77**

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	1.131	1378	11.9	26,718	1.17	192.00	1416	62.4	0.084	4.41
38.1	3.440	1390	12.0	26,500	3.56	184.71	1428	182.6	0.245	12.79
31.8	6.030	1397	12.1	26,435	6.25	169.85	1435	294.3	0.395	20.51
25.4	9.891	1379	11.9	26,764	10.25	138.46	1417	393.5	0.528	27.78
22.2	12.095	1341	11.6	27,133	12.53	117.19	1378	407.3	0.546	29.57
19.1	14.267	1267	10.9	28,041	14.79	93.24	1302	382.3	0.512	29.37
15.9	16.434	1184	10.1	29,382	17.03	69.29	1216	327.2	0.439	26.90
12.7	18.650	1095	10.1	29,574	19.33	47.07	1125	252.3	0.338	22.43
9.5	20.812	1017	8.6	32,310	21.57	28.07	1045	167.9	0.225	16.07
6.4	22.720	941	7.9	33,861	23.55	13.53	967	88.3	0.118	9.14
0.0	25.131	882	7.4	35,247	26.04	0.00	906	0.0	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **407.77**

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 @ 120 volts, corrected to standard atmospheric conditions: Minimum sealed vacuum = 94.11 in H<sub>2</sub>O, 2390 mm H<sub>2</sub>O or 23.44 kPa, Maximum open watts = 1600 watts.