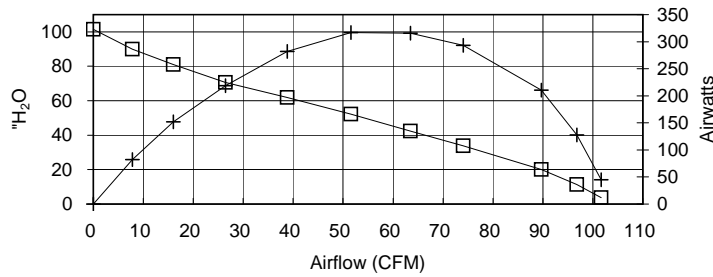


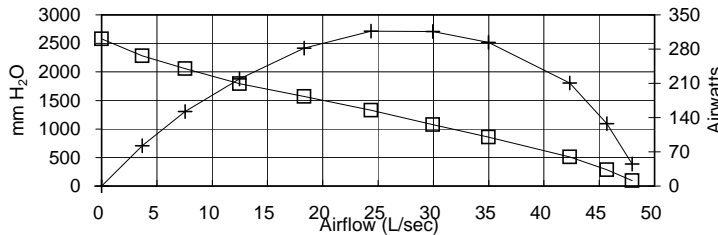
**6500-274
AIRFLOW
PERFORMANCE**

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	3.63	901	7.7	19,480	3.8	101.7	930	45.15	0.061	4.86
1.5	10.80	907	7.8	19,340	11.3	96.8	936	127.87	0.171	13.66
1.25	19.20	914	7.8	19,180	20.0	89.7	943	210.65	0.282	22.33
1	32.37	921	7.9	19,080	33.7	74.1	950	293.43	0.393	30.88
0.875	40.70	916	7.8	19,140	42.4	63.5	945	315.99	0.424	33.43
0.75	50.17	894	7.6	19,420	52.3	51.6	923	316.71	0.425	34.33
0.625	59.30	852	7.3	20,140	61.8	38.8	879	281.75	0.378	32.05
0.5	67.67	796	6.8	21,060	70.6	26.4	821	218.93	0.293	26.65
0.375	77.67	731	6.2	22,440	81.0	16.0	754	152.19	0.204	20.18
0.25	86.27	676	5.7	23,780	89.9	7.8	698	82.20	0.110	11.78
0	97.37	633	5.3	24,920	101.5	0.0	653	0.00	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **319.87**



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	92	901	7.7	19,480	96	48.0	930	45.1	0.061	4.86
38.1	274	907	7.8	19,340	286	45.7	936	127.9	0.171	13.66
31.8	488	914	7.8	19,180	508	42.3	943	210.6	0.282	22.33
25.4	822	921	7.9	19,080	857	35.0	950	293.4	0.393	30.88
22.2	1034	916	7.8	19,140	1078	30.0	945	316.0	0.424	33.43
19.1	1274	894	7.6	19,420	1329	24.4	923	316.7	0.425	34.33
15.9	1506	852	7.3	20,140	1570	18.3	879	281.7	0.378	32.05
12.7	1719	796	6.8	21,060	1792	12.5	821	218.9	0.293	26.65
9.5	1973	731	6.2	22,440	2057	7.6	754	152.2	0.204	20.18
6.4	2191	676	5.7	23,780	2285	3.7	698	82.2	0.110	11.78
0.0	2473	633	5.3	24,920	2578	0.0	653	0.0	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **319.87**

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	0.904	901	7.7	19,480	0.94	172.73	930	45.1	0.061	4.86
38.1	2.690	907	7.8	19,340	2.80	164.44	936	127.9	0.171	13.66
31.8	4.782	914	7.8	19,180	4.99	152.37	943	210.6	0.282	22.33
25.4	8.062	921	7.9	19,080	8.41	125.90	950	293.4	0.393	30.88
22.2	10.137	916	7.8	19,140	10.57	107.83	945	316.0	0.424	33.43
19.1	12.496	894	7.6	19,420	13.03	87.67	923	316.7	0.425	34.33
15.9	14.770	852	7.3	20,140	15.40	65.99	879	281.7	0.378	32.05
12.7	16.854	796	6.8	21,060	17.57	44.93	821	218.9	0.293	26.65
9.5	19.345	731	6.2	22,440	20.17	27.21	754	152.2	0.204	20.18
6.4	21.487	676	5.7	23,780	22.40	13.23	698	82.2	0.110	11.78
0.0	24.252	633	5.3	24,920	25.28	0.00	653	0.0	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **319.87**

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 = 91.36 in H₂O, 2321 mm H₂O or 22.76 kPa, Maximum open watts = 1051 watts.