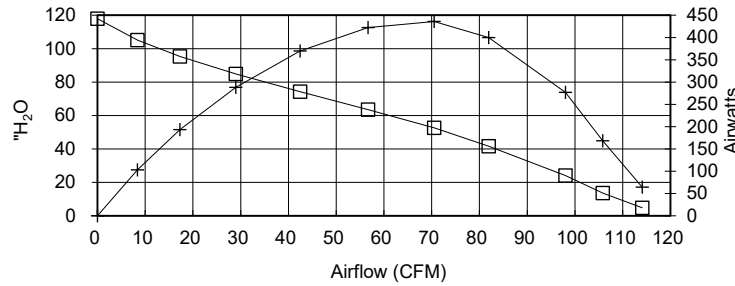
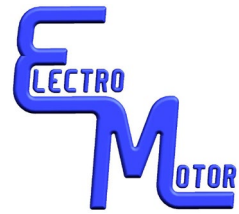


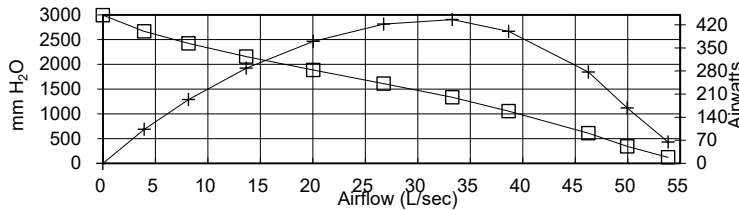
6500-298
AIRFLOW
PERFORMANCE

Volts = 120



ORIFICE (Inches)	SUCTION (inches H ₂ O)	INPUT WATTS	AMPS	RPM'S	CORR. SUCTION (inches H ₂ O)	AIR FLOW (CFM)	CORR. INPUT WATTS	AIR WATTS	H.P.	OVERALL EFF.(%)
2	4.58	1178	10.4	22,492	4.8	114.1	1220	64.28	0.086	5.27
1.5	12.93	1173	10.3	22,408	13.5	105.8	1215	168.25	0.226	13.85
1.25	22.98	1176	10.3	22,263	24.1	98.0	1218	276.93	0.371	22.73
1	39.70	1179	10.3	22,150	41.6	81.9	1221	399.89	0.536	32.75
0.875	50.25	1163	10.2	22,247	52.7	70.5	1204	435.79	0.584	36.18
0.75	60.54	1126	9.8	22,895	63.4	56.7	1166	422.02	0.566	36.20
0.625	70.86	1064	9.3	23,660	74.3	42.4	1102	369.93	0.496	33.58
0.5	81.00	985	8.5	24,834	84.9	28.9	1020	288.35	0.387	28.28
0.375	90.99	898	7.7	26,337	95.3	17.3	930	193.40	0.259	20.80
0.25	100.29	823	7.1	27,851	105.1	8.3	852	102.91	0.138	12.08
0	112.50	756	6.5	29,376	117.9	0.0	783	0.00	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **437.42**



<i>Metric Data</i>					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	116	1178	10.4	22,492	122	53.8	1220	64.3	0.086	5.27
38.1	328	1173	10.3	22,408	344	50.0	1215	168.3	0.226	13.85
31.8	584	1176	10.3	22,263	612	46.3	1218	276.9	0.371	22.73
25.4	1008	1179	10.3	22,150	1057	38.7	1221	399.9	0.536	32.75
22.2	1276	1163	10.2	22,247	1337	33.3	1204	435.8	0.584	36.18
19.1	1538	1126	9.8	22,895	1611	26.8	1166	422.0	0.566	36.20
15.9	1800	1064	9.3	23,660	1886	20.0	1102	369.9	0.496	33.58
12.7	2057	985	8.5	24,834	2156	13.7	1020	288.3	0.387	28.28
9.5	2311	898	7.7	26,337	2422	8.2	930	193.4	0.259	20.80
6.4	2547	823	7.1	27,851	2669	3.9	852	102.9	0.138	12.08
0.0	2858	756	6.5	29,376	2994	0.0	783	0.0	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **437.42**

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	1.141	1178	10.4	22,492	1.20	193.85	1220	64.3	0.086	5.27
38.1	3.219	1173	10.3	22,408	3.37	179.83	1215	168.3	0.226	13.85
31.8	5.723	1176	10.3	22,263	6.00	166.51	1218	276.9	0.371	22.73
25.4	9.887	1179	10.3	22,150	10.36	139.17	1221	399.9	0.536	32.75
22.2	12.516	1163	10.2	22,247	13.12	119.81	1204	435.8	0.584	36.18
19.1	15.079	1126	9.8	22,895	15.80	96.31	1166	422.0	0.566	36.20
15.9	17.650	1064	9.3	23,660	18.49	72.13	1102	369.9	0.496	33.58
12.7	20.174	985	8.5	24,834	21.14	49.19	1020	288.3	0.387	28.28
9.5	22.664	898	7.7	26,337	23.75	29.37	930	193.4	0.259	20.80
6.4	24.979	823	7.1	27,851	26.17	14.18	852	102.9	0.138	12.08
0.0	28.021	756	6.5	29,376	29.36	0.00	783	0.0	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **437.42**

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 = 106.09 inH₂O, 2695 mmH₂O or 26.42 Pa, Maximum open watts = 1379 watts.

Models:
6500-274
6500-275
6500-276
6500-281
6500-282
6500-291
6500-292
6500-298
