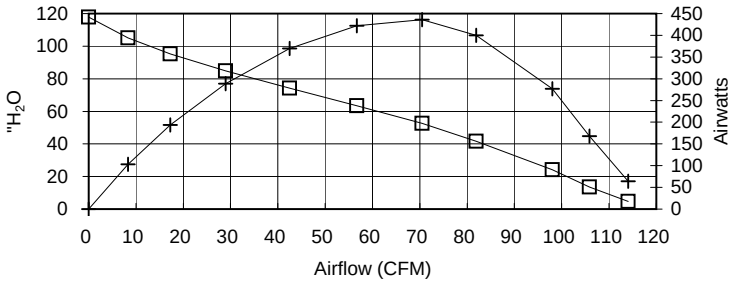
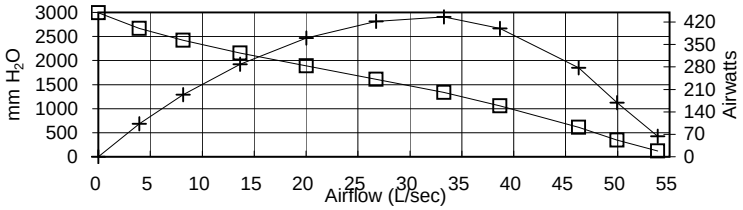
Date Last Modified: 5/8/2009

6500-298
AIRFLOW PERFORMANCE

Volts = 120



ORIFICE (Inches)	SUCTION ("H_2O)	INPUT WATTS	AMPS	RPM'S	CORR. SUCTION ("H_2O)	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**									



Metric Data										
ORIFICE (mm)	SUCTION (mm H_2O)	INPUT WATTS	AMPS	RPM'S	CORR. SUCTION (mm H_2O)	AIR FLOW (L/sec)	CORR. INPUT WATTS	AIR WATTS	H.P.	OVERALL EFF.(%)
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 inH20, 2695 mmH20 or 26.42 Pa, Maximum open watts = 1379 watts.