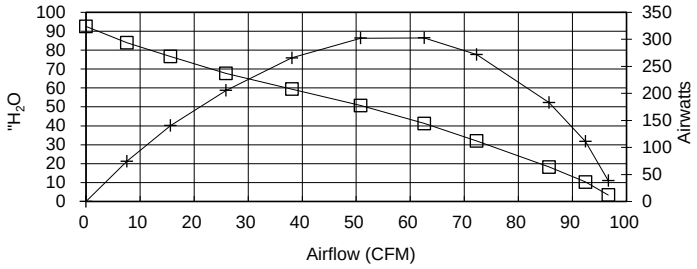
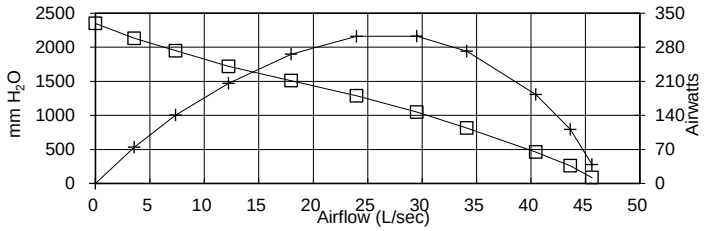
Date Last Modified: 5/25/2005

6600-33
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	**3.27**	**910**	**7.8**	**19,143**	3.4	96.7	939	38.69	0.052	4.12
1.5	**9.81**	**916**	**7.8**	**19,095**	10.2	92.4	946	110.96	0.149	11.73
1.25	**17.45**	**921**	**7.8**	**18,996**	18.2	85.7	951	183.02	0.245	19.25
1	**30.71**	**923**	**7.9**	**18,993**	32.0	72.3	953	271.70	0.364	28.52
0.875	**39.51**	**919**	**7.8**	**19,041**	41.2	62.6	949	302.58	0.406	31.90
0.75	**48.59**	**901**	**7.7**	**19,299**	50.7	50.8	930	302.24	0.405	32.50
0.625	**56.96**	**864**	**7.3**	**19,929**	59.4	38.1	892	265.61	0.356	29.78
0.5	**64.85**	**816**	**6.9**	**20,853**	67.6	25.9	842	205.64	0.276	24.41
0.375	**73.51**	**763**	**6.4**	**21,879**	76.7	15.6	788	140.55	0.188	17.84
0.25	**80.44**	**722**	**6.0**	**22,824**	83.9	7.6	745	74.40	0.100	9.98
0	**88.72**	**685**	**5.7**	**23,811**	92.5	0.0	707	0.00	0.000	0.00
	POLYNOMIAL PEAK AIRWATTS:				**309.37**					



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	**83**	**910**	**7.8**	19,143	87	45.6	939	38.7	0.052	4.12
38.1	**249**	**916**	**7.8**	19,095	260	43.6	946	111.0	0.149	11.73
31.8	**443**	**921**	**7.8**	18,996	462	40.4	951	183.0	0.245	19.25
25.4	**780**	**923**	**7.9**	18,993	814	34.1	953	271.7	0.364	28.52
22.2	**1004**	**919**	**7.8**	19,041	1047	29.5	949	302.6	0.406	31.90
19.1	**1234**	**901**	**7.7**	19,299	1287	24.0	930	302.2	0.405	32.50
15.9	**1447**	**864**	**7.3**	19,929	1509	18.0	892	265.6	0.356	29.78
12.7	**1647**	**816**	**6.9**	20,853	1718	12.2	842	205.6	0.276	24.41
9.5	**1867**	**763**	**6.4**	21,879	1948	7.4	788	140.5	0.188	17.84
6.4	**2043**	**722**	**6.0**	22,824	2131	3.6	745	74.4	0.100	9.98
0.0	**2253**	**685**	**5.7**	23,811	2351	0.0	707	0.0	0.000	0.00
	POLYNOMIAL PEAK AIRWATTS:				**309.37**					

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	**0.814**	**910**	**7.8**	**19,143**	0.85	164.23	939	38.7	0.052	4.12
38.1	**2.443**	**916**	**7.8**	**19,095**	2.55	157.01	946	111.0	0.149	11.73
31.8	**4.346**	**921**	**7.8**	**18,996**	4.53	145.60	951	183.0	0.245	19.25
25.4	**7.649**	**923**	**7.9**	**18,993**	7.98	122.81	953	271.7	0.364	28.52
22.2	**9.841**	**919**	**7.8**	**19,041**	10.26	106.31	949	302.6	0.406	31.90
19.1	**12.102**	**901**	**7.7**	**19,299**	12.62	86.35	930	302.2	0.405	32.50
15.9	**14.187**	**864**	**7.3**	**19,929**	14.80	64.73	892	265.6	0.356	29.78
12.7	**16.152**	**816**	**6.9**	**20,853**	16.85	44.02	842	205.6	0.276	24.41
9.5	**18.309**	**763**	**6.4**	**21,879**	19.10	26.54	788	140.5	0.188	17.84
6.4	**20.035**	**722**	**6.0**	**22,824**	20.90	12.84	745	74.4	0.100	9.98
0.0	**22.097**	**685**	**5.7**	**23,811**	23.05	0.00	707	0.0	0.000	0.00
	POLYNOMIAL PEAK AIRWATTS:				**309.37**					

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 = 83.29 in H2O, 2115 mm H2O or 20.74 kPa, Maximum open watts = 1061 watts.