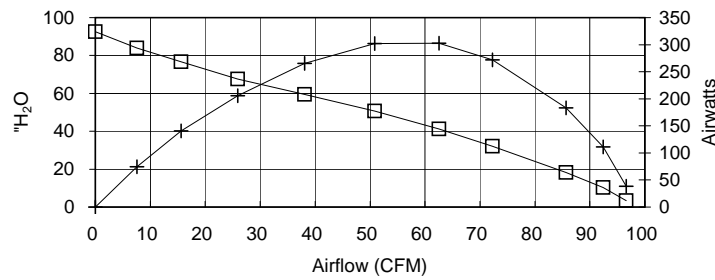


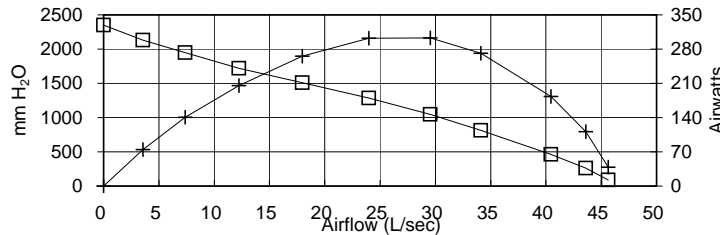
**6600-33
AIRFLOW
PERFORMANCE**

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	3.27	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					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	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.