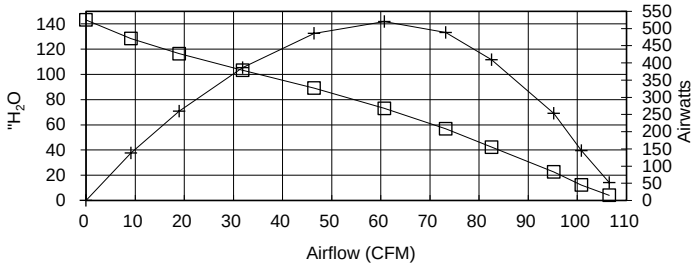
Date Last Modified: 9/8/2005

6600-048

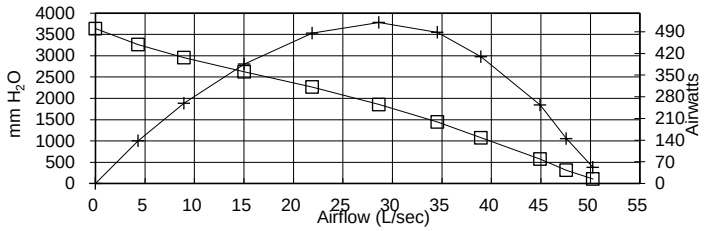
AIRFLOW PERFORMANCE

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	**4.00**	**1423**	**12.2**	**20,922**	4.2	106.5	1467	52.06	0.070	3.55
1.5	**11.77**	**1437**	**12.3**	**20,873**	12.2	100.8	1481	144.91	0.194	9.78
1.25	**21.78**	**1449**	**12.4**	**20,753**	22.7	95.2	1494	253.27	0.340	16.96
1	**40.58**	**1465**	**12.5**	**20,561**	42.2	82.5	1510	409.15	0.548	27.09
0.875	**54.60**	**1462**	**12.5**	**20,543**	56.8	73.2	1507	488.28	0.655	32.40
0.75	**70.12**	**1446**	**12.4**	**20,684**	73.0	60.7	1491	520.00	0.697	34.88
0.625	**85.64**	**1393**	**11.9**	**21,192**	89.2	46.4	1436	485.56	0.651	33.81
0.5	**99.11**	**1309**	**11.1**	**22,095**	103.2	31.9	1349	385.78	0.517	28.60
0.375	**111.80**	**1212**	**10.2**	**23,153**	116.4	19.0	1250	259.23	0.347	20.75
0.25	**123.35**	**1120**	**9.4**	**24,312**	128.4	9.1	1155	137.56	0.184	11.92
0	**137.55**	**1120**	**9.4**	**24,312**	143.2	0.0	1155	0.00	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **521.09**



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	**102**	**1423**	**12.2**	20,922	106	50.3	1467	52.1	0.070	3.55
38.1	**299**	**1437**	**12.3**	20,873	311	47.6	1481	144.9	0.194	9.78
31.8	**553**	**1449**	**12.4**	20,753	576	44.9	1494	253.3	0.340	16.96
25.4	**1031**	**1465**	**12.5**	20,561	1073	38.9	1510	409.1	0.548	27.09
22.2	**1387**	**1462**	**12.5**	20,543	1444	34.6	1507	488.3	0.655	32.40
19.1	**1781**	**1446**	**12.4**	20,684	1854	28.7	1491	520.0	0.697	34.88
15.9	**2175**	**1393**	**11.9**	21,192	2265	21.9	1436	485.6	0.651	33.81
12.7	**2517**	**1309**	**11.1**	22,095	2621	15.0	1349	385.8	0.517	28.60
9.5	**2840**	**1212**	**10.2**	23,153	2956	9.0	1250	259.2	0.347	20.75
6.4	**3133**	**1120**	**9.4**	24,312	3262	4.3	1155	137.6	0.184	11.92
0.0	**3494**	**1120**	**9.4**	24,312	3637	0.0	1155	0.0	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **521.09**

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	**0.996**	**1423**	**12.2**	**20,922**	1.04	180.93	1467	52.1	0.070	3.55
38.1	**2.930**	**1437**	**12.3**	**20,873**	3.05	171.28	1481	144.9	0.194	9.78
31.8	**5.424**	**1449**	**12.4**	**20,753**	5.65	161.76	1494	253.3	0.340	16.96
25.4	**10.108**	**1465**	**12.5**	**20,561**	10.52	140.22	1510	409.1	0.548	27.09
22.2	**13.599**	**1462**	**12.5**	**20,543**	14.16	124.38	1507	488.3	0.655	32.40
19.1	**17.464**	**1446**	**12.4**	**20,684**	18.18	103.14	1491	520.0	0.697	34.88
15.9	**21.330**	**1393**	**11.9**	**21,192**	22.21	78.86	1436	485.6	0.651	33.81
12.7	**24.685**	**1309**	**11.1**	**22,095**	25.70	54.14	1349	385.8	0.517	28.60
9.5	**27.846**	**1212**	**10.2**	**23,153**	28.99	32.25	1250	259.2	0.347	20.75
6.4	**30.723**	**1120**	**9.4**	**24,312**	31.98	15.51	1155	137.6	0.184	11.92
0.0	**34.259**	**1120**	**9.4**	**24,312**	35.66	0.00	1155	0.0	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **521.09**

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 = 128.87 in H2O, 3273 mm H2O or 32.10 kPa, Maximum open watts = 1658 watts.