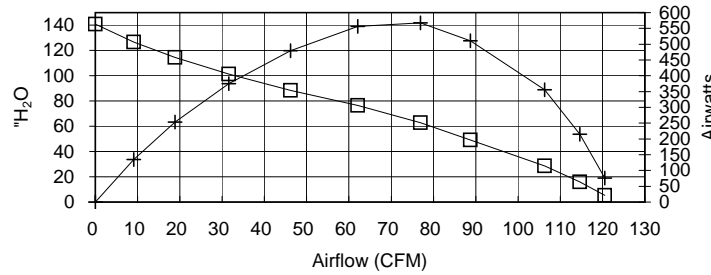


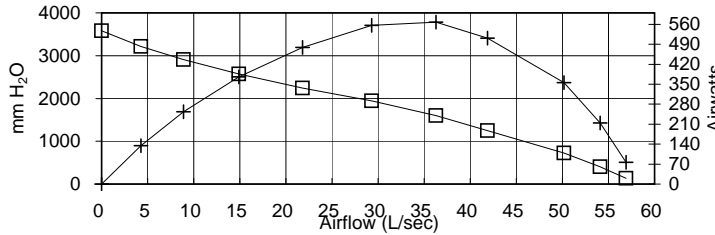
**6500-300  
AIRFLOW  
PERFORMANCE**

**Volts = 120**



ORIFICE (Inches)	SUCTION ("H <sub>2</sub> O)	INPUT WATTS	AMPS	RPM'S	CORR. SUCTION ("H <sub>2</sub> O)	AIR FLOW (CFM)	CORR. INPUT WATTS	AIR WATTS	H.P.	OVERALL EFF.(%)
2	5.16	1582	13.6	23,940	5.4	120.6	1632	76.07	0.102	4.66
1.5	15.32	1594	13.6	23,850	16.0	114.6	1644	214.74	0.288	13.06
1.25	27.36	1609	13.8	23,760	28.5	106.3	1660	355.74	0.477	21.43
1	47.12	1618	13.9	23,640	49.1	88.7	1669	511.24	0.685	30.63
0.875	60.32	1604	13.7	23,790	62.9	76.9	1655	567.24	0.760	34.28
0.75	73.32	1557	13.3	24,180	76.4	62.1	1606	556.52	0.746	34.65
0.625	84.80	1476	12.6	25,020	88.4	46.2	1522	479.15	0.642	31.47
0.5	97.20	1383	11.7	26,220	101.3	31.6	1427	375.26	0.503	26.31
0.375	109.88	1271	10.7	27,720	114.5	18.8	1311	253.06	0.339	19.30
0.25	121.56	1173	9.9	29,340	126.7	9.1	1210	134.87	0.181	11.15
0	135.24	1094	9.2	30,930	140.9	0.0	1128	0.00	0.000	0.00

**Ilpilot** POLYNOMIAL PEAK AIRWATTS: **567.90**



Metric Data					CORR. SUCTION (mm H <sub>2</sub> O)	AIR FLOW (L/sec)	CORR. INPUT WATTS	AIR WATTS	H.P.	OVERALL EFF.(%)
ORIFICE (mm)	SUCTION (mm H <sub>2</sub> O)	INPUT WATTS	AMPS	RPM'S						
50.8	131	1582	13.6	23,940	137	56.9	1632	76.1	0.102	4.66
38.1	389	1594	13.6	23,850	405	54.1	1644	214.7	0.288	13.06
31.8	695	1609	13.8	23,760	724	50.2	1660	355.7	0.477	21.43
25.4	1197	1618	13.9	23,640	1247	41.9	1669	511.2	0.685	30.63
22.2	1532	1604	13.7	23,790	1596	36.3	1655	567.2	0.760	34.28
19.1	1862	1557	13.3	24,180	1941	29.3	1606	556.5	0.746	34.65
15.9	2154	1476	12.6	25,020	2244	21.8	1522	479.1	0.642	31.47
12.7	2469	1383	11.7	26,220	2573	14.9	1427	375.3	0.503	26.31
9.5	2791	1271	10.7	27,720	2908	8.9	1311	253.1	0.339	19.30
6.4	3088	1173	9.9	29,340	3217	4.3	1210	134.9	0.181	11.15
0.0	3435	1094	9.2	30,930	3579	0.0	1128	0.0	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **567.90**

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	1.285	1582	13.6	23,940	1.34	204.85	1632	76.1	0.102	4.66
38.1	3.816	1594	13.6	23,850	3.98	194.78	1644	214.7	0.288	13.06
31.8	6.815	1609	13.8	23,760	7.10	180.67	1660	355.7	0.477	21.43
25.4	11.736	1618	13.9	23,640	12.23	150.76	1669	511.2	0.685	30.63
22.2	15.024	1604	13.7	23,790	15.65	130.67	1655	567.2	0.760	34.28
19.1	18.262	1557	13.3	24,180	19.03	105.47	1606	556.5	0.746	34.65
15.9	21.121	1476	12.6	25,020	22.01	78.52	1522	479.1	0.642	31.47
12.7	24.209	1383	11.7	26,220	25.23	53.65	1427	375.3	0.503	26.31
9.5	27.368	1271	10.7	27,720	28.52	32.00	1311	253.1	0.339	19.30
6.4	30.277	1173	9.9	29,340	31.55	15.42	1210	134.9	0.181	11.15
0.0	33.684	1094	9.2	30,930	35.10	0.00	1128	0.0	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **567.90**

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 = 126.83 in H<sub>2</sub>O, 3221 mm H<sub>2</sub>O or 31.59 kPa, Maximum open watts = 1844 watts.