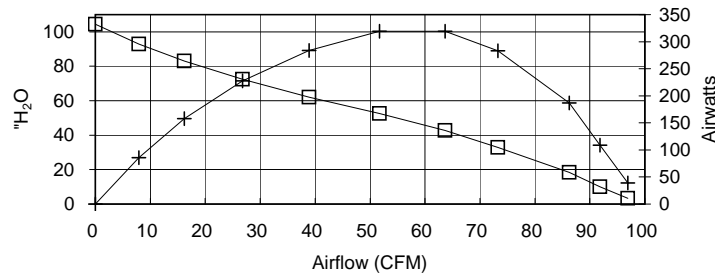


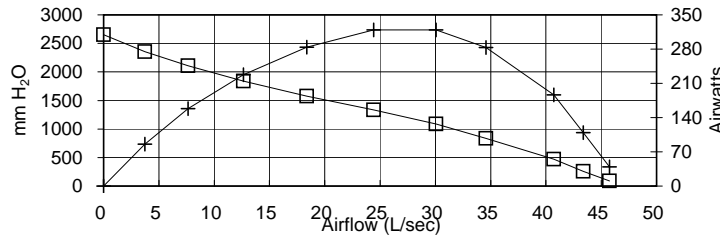
**6500-307
AIRFLOW
PERFORMANCE**

Volts = 240



ORIFICE (Inches)	SUCTION (inches H ₂ O)	INPUT WATTS	AMPS	RPM'S	CORR. SUCTION (inches H ₂ O)	AIR FLOW (CFM)	CORR. INPUT WATTS	AIR WATTS	H.P.	OVERALL EFF.(%)
2	3.32	1024	4.4	19,824	3.4	96.9	1050	39.05	0.052	3.72
1.5	9.78	1028	4.4	19,722	10.1	91.9	1054	109.00	0.146	10.34
1.25	17.85	1039	4.5	19,614	18.5	86.2	1065	186.77	0.250	17.53
1	31.88	1046	4.5	19,410	33.0	73.3	1073	283.35	0.380	26.42
0.875	41.34	1043	4.4	19,845	42.7	63.7	1069	319.38	0.428	29.86
0.75	50.84	1020	4.4	19,806	52.6	51.7	1046	319.00	0.428	30.50
0.625	60.09	978	4.2	20,565	62.1	38.9	1003	283.77	0.380	28.30
0.5	70.02	923	3.9	21,648	72.4	26.8	946	227.47	0.305	24.04
0.375	80.39	855	3.6	22,896	83.1	16.2	877	158.10	0.212	18.03
0.25	89.79	788	3.3	24,246	92.8	7.9	808	86.02	0.115	10.65
0	101.08	736	3.1	25,527	104.5	0.0	755	0.00	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **326.28**



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	84	1024	4.4	19,824	87	45.8	1050	39.0	0.052	3.72
38.1	248	1028	4.4	19,722	257	43.4	1054	109.0	0.146	10.34
31.8	453	1039	4.5	19,614	469	40.7	1065	186.8	0.250	17.53
25.4	810	1046	4.5	19,410	837	34.6	1073	283.3	0.380	26.42
22.2	1050	1043	4.4	19,845	1086	30.1	1069	319.4	0.428	29.86
19.1	1291	1020	4.4	19,806	1335	24.4	1046	319.0	0.428	30.50
15.9	1526	978	4.2	20,565	1578	18.4	1003	283.8	0.380	28.30
12.7	1779	923	3.9	21,648	1839	12.6	946	227.5	0.305	24.04
9.5	2042	855	3.6	22,896	2111	7.7	877	158.1	0.212	18.03
6.4	2281	788	3.3	24,246	2358	3.7	808	86.0	0.115	10.65
0.0	2567	736	3.1	25,527	2654	0.0	755	0.0	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **326.28**

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	0.827	1024	4.4	19,824	0.85	164.72	1050	39.0	0.052	3.72
38.1	2.436	1028	4.4	19,722	2.52	156.10	1054	109.0	0.146	10.34
31.8	4.446	1039	4.5	19,614	4.60	146.54	1065	186.8	0.250	17.53
25.4	7.940	1046	4.5	19,410	8.21	124.48	1073	283.3	0.380	26.42
22.2	10.297	1043	4.4	19,845	10.64	108.20	1069	319.4	0.428	29.86
19.1	12.663	1020	4.4	19,806	13.09	87.88	1046	319.0	0.428	30.50
15.9	14.967	978	4.2	20,565	15.47	66.14	1003	283.8	0.380	28.30
12.7	17.440	923	3.9	21,648	18.03	45.50	946	227.5	0.305	24.04
9.5	20.023	855	3.6	22,896	20.70	27.54	877	158.1	0.212	18.03
6.4	22.364	788	3.3	24,246	23.12	13.42	808	86.0	0.115	10.65
0.0	25.176	736	3.1	25,527	26.03	0.00	755	0.0	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **326.28**

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 @ 240 volts, corrected to standard atmospheric conditions: Minimum sealed vacuum = 94.05 in H₂O, 2389 mm H₂O or 23.42 kPa, Maximum open watts = 1186 watts.