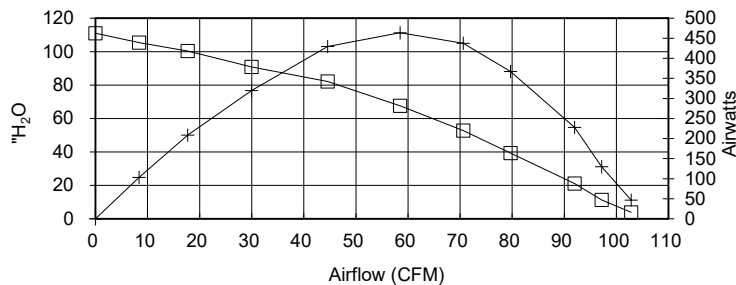


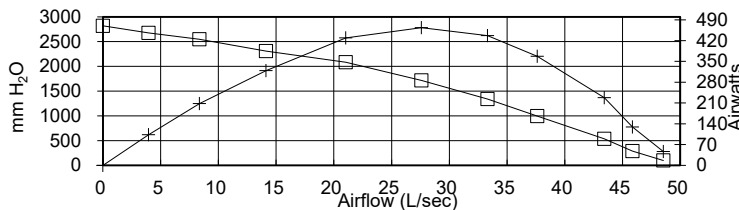
7500-015
AIRFLOW
PERFORMANCE
PRELIMINARY

Volts = 120



ORIFICE (Inches)	SUCTION (InH ₂ O)	INPUT WATTS	AMPS	RPM'S	CORR. SUCTION (InH ₂ O)	AIR FLOW (CFM)	CORR. INPUT WATTS	AIR WATTS	H.P.	OVERALL EFF.(%)
2	3.71	1147	9.9	30,796	3.9	102.8	1185	46.77	0.063	3.95
1.5	10.87	1138	9.8	31,053	11.4	97.2	1176	129.49	0.174	11.01
1.25	20.21	1131	9.7	31,228	21.1	92.0	1168	227.85	0.305	19.50
1	37.61	1109	9.5	31,745	39.3	79.7	1146	367.35	0.492	32.06
0.875	50.52	1083	9.3	32,319	52.8	70.6	1119	437.17	0.586	39.07
0.75	64.71	1038	8.9	33,173	67.6	58.5	1073	463.71	0.622	43.23
0.625	78.59	975	8.3	34,541	82.1	44.6	1008	429.44	0.576	42.62
0.5	87.02	906	7.7	36,188	90.9	29.9	936	319.35	0.428	34.11
0.375	96.04	849	7.2	37,458	100.3	17.7	877	208.37	0.279	23.77
0.25	100.93	819	7.0	39,008	105.4	8.4	846	103.40	0.139	12.22
0	106.29	784	6.6	40,175	111.0	0.0	810	0.00	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **465.48**



<i>Metric Data</i>					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	94	1147	9.9	30,796	98	48.5	1185	46.8	0.063	3.95
38.1	276	1138	9.8	31,053	288	45.9	1176	129.5	0.174	11.01
31.8	513	1131	9.7	31,228	536	43.4	1168	227.8	0.305	19.50
25.4	955	1109	9.5	31,745	998	37.6	1146	367.4	0.492	32.06
22.2	1283	1083	9.3	32,319	1340	33.3	1119	437.2	0.586	39.07
19.1	1644	1038	8.9	33,173	1717	27.6	1073	463.7	0.622	43.23
15.9	1996	975	8.3	34,541	2085	21.0	1008	429.4	0.576	42.62
12.7	2210	906	7.7	36,188	2309	14.1	936	319.4	0.428	34.11
9.5	2439	849	7.2	37,458	2548	8.4	877	208.4	0.279	23.77
6.4	2564	819	7.0	39,008	2678	3.9	846	103.4	0.139	12.22
0.0	2700	784	6.6	40,175	2820	0.0	810	0.0	0.000	0.00

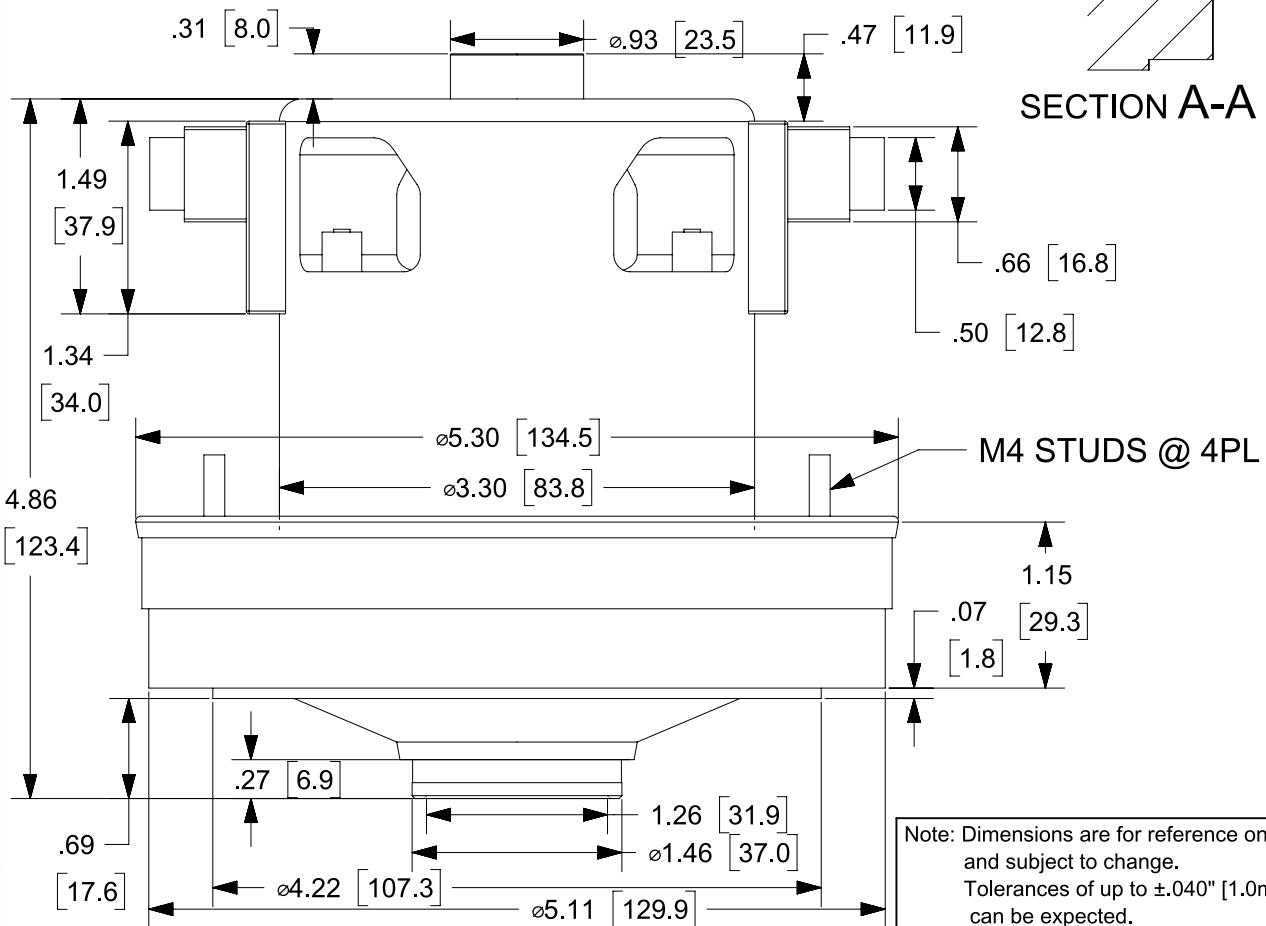
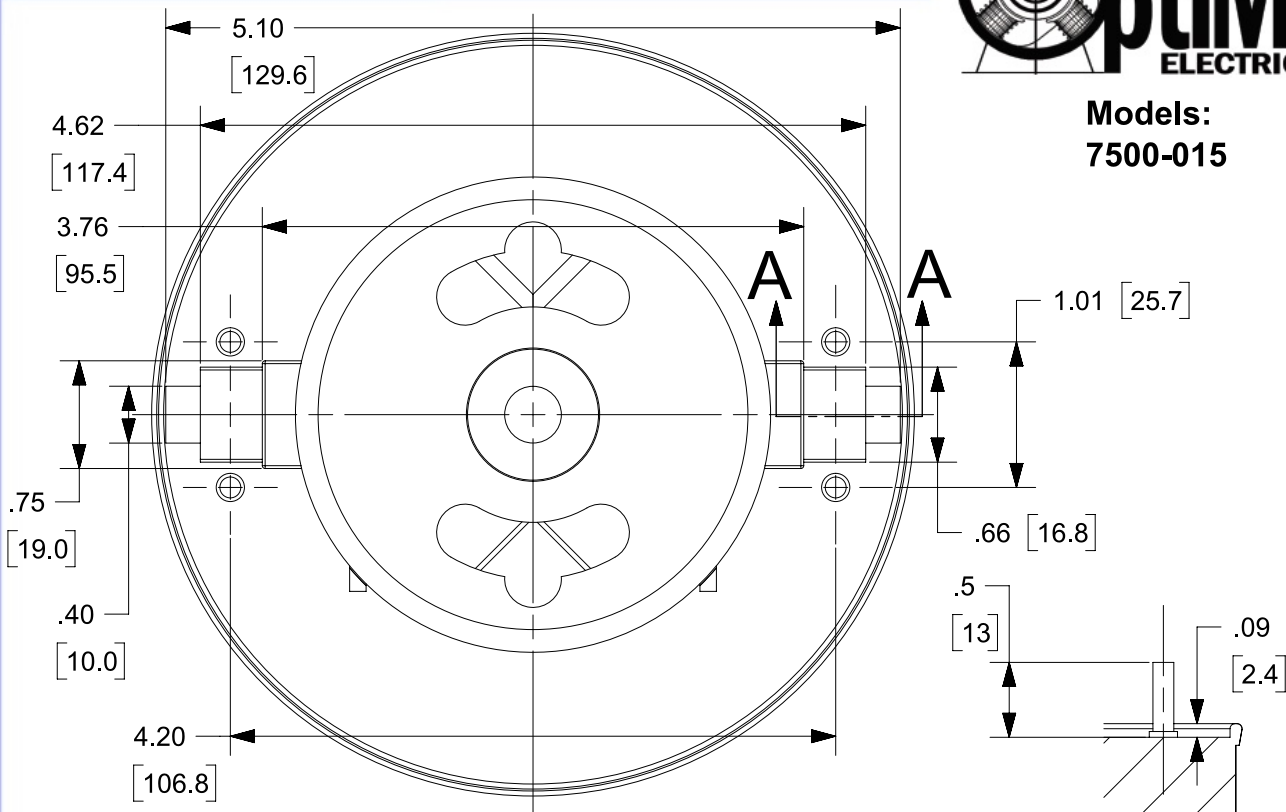
POLYNOMIAL PEAK AIRWATTS: **465.48**

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	0.924	1147	9.9	30,796	0.97	174.75	1185	46.8	0.063	3.95
38.1	2.708	1138	9.8	31,053	2.83	165.12	1176	129.5	0.174	11.01
31.8	5.033	1131	9.7	31,228	5.26	156.31	1168	227.8	0.305	19.50
25.4	9.367	1109	9.5	31,745	9.78	135.41	1146	367.4	0.492	32.06
22.2	12.584	1083	9.3	32,319	13.14	119.95	1119	437.2	0.586	39.07
19.1	16.117	1038	8.9	33,173	16.83	99.34	1073	463.7	0.622	43.23
15.9	19.575	975	8.3	34,541	20.45	75.75	1008	429.4	0.576	42.62
12.7	21.675	906	7.7	36,188	22.64	50.87	936	319.4	0.428	34.11
9.5	23.921	849	7.2	37,458	24.98	30.08	877	208.4	0.279	23.77
6.4	25.139	819	7.0	39,008	26.26	14.20	846	103.4	0.139	12.22
0.0	26.472	784	6.6	40,175	27.65	0.00	810	0.0	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **465.48**

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 = 99.91 inH₂O, 2538 mmH₂O or 24.88 Pa, Maximum open watts = 1339 watts.

Models:
7500-015



Note: Dimensions are for reference only and subject to change. Tolerances of up to $\pm .040$ " [1.0mm] can be expected.