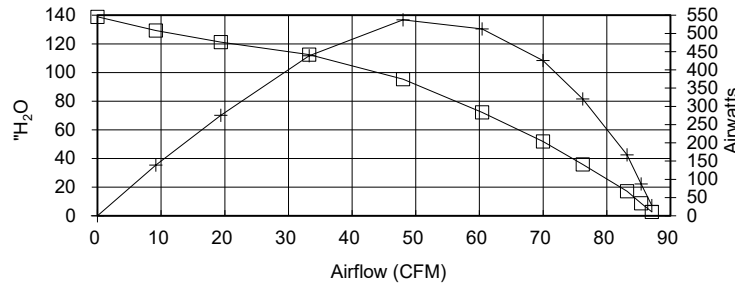
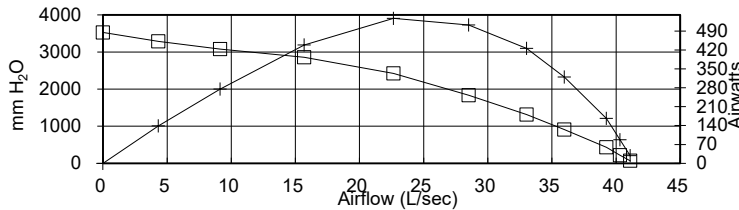


7500-004
AIRFLOW
PERFORMANCE

Volts = 120



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	2.64	1477	12.7	36,904	2.8	87.1	1524	28.14	0.038	1.85
1.5	8.34	1466	12.6	37,048	8.7	85.4	1513	87.12	0.117	5.76
1.25	16.40	1457	12.5	37,294	17.1	83.2	1503	166.87	0.224	11.10
1	34.32	1422	12.2	37,857	35.8	76.2	1467	320.06	0.429	21.81
0.875	49.72	1385	11.9	38,479	51.8	70.0	1430	425.81	0.571	29.78
0.75	69.29	1329	11.4	39,596	72.3	60.4	1371	512.24	0.687	37.35
0.625	91.50	1247	10.6	41,293	95.4	48.0	1287	537.24	0.720	41.73
0.5	107.86	1140	9.7	43,907	112.5	33.2	1176	438.82	0.588	37.31
0.375	116.30	1046	8.9	46,188	121.3	19.4	1080	275.47	0.369	25.51
0.25	123.98	973	8.3	48,591	129.3	9.2	1005	138.97	0.186	13.83
0	133.18	917	7.8	49,149	138.9	0.0	946	0.00	0.000	0.00
POLYNOMIAL PEAK AIRWATTS:						537.02				

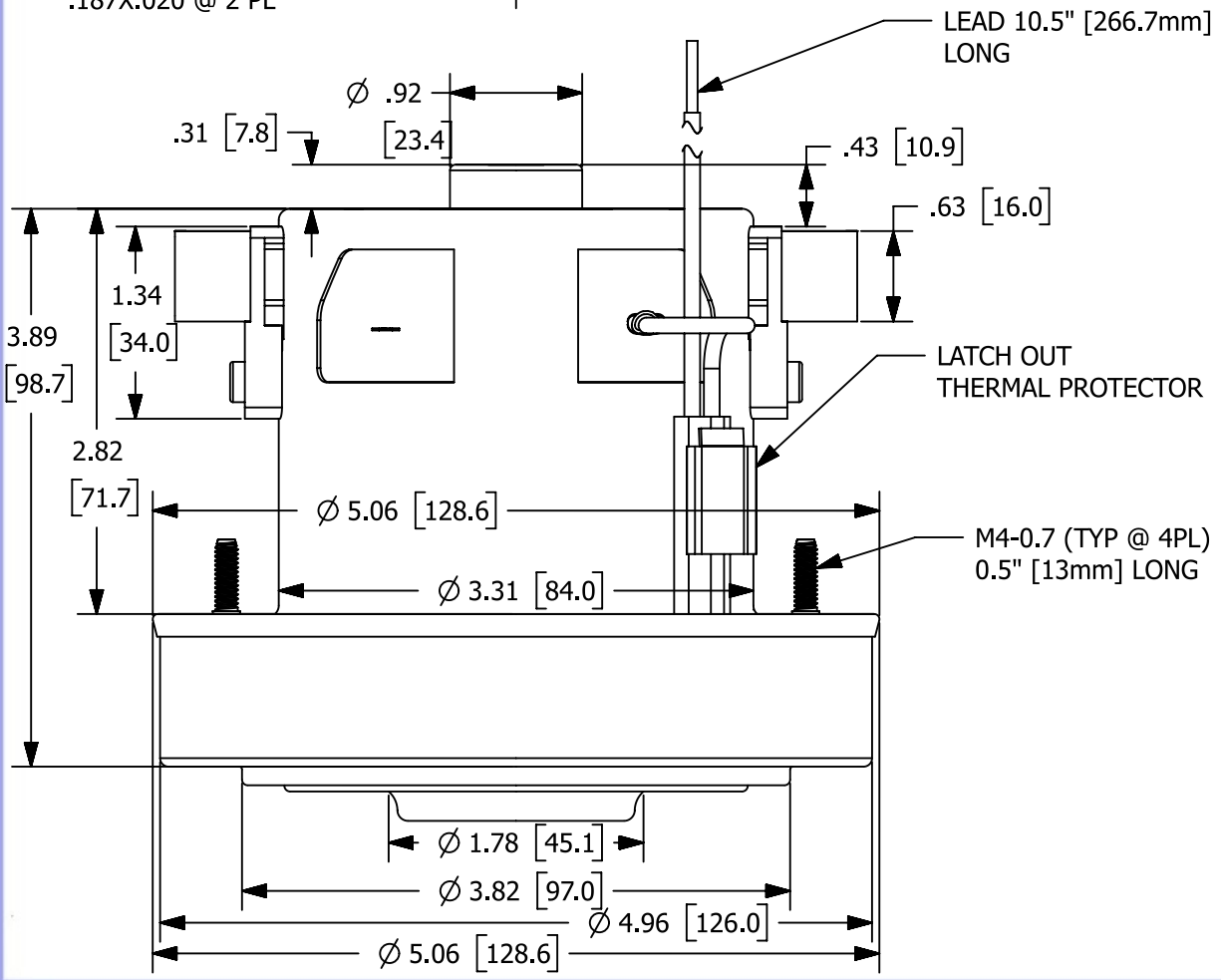
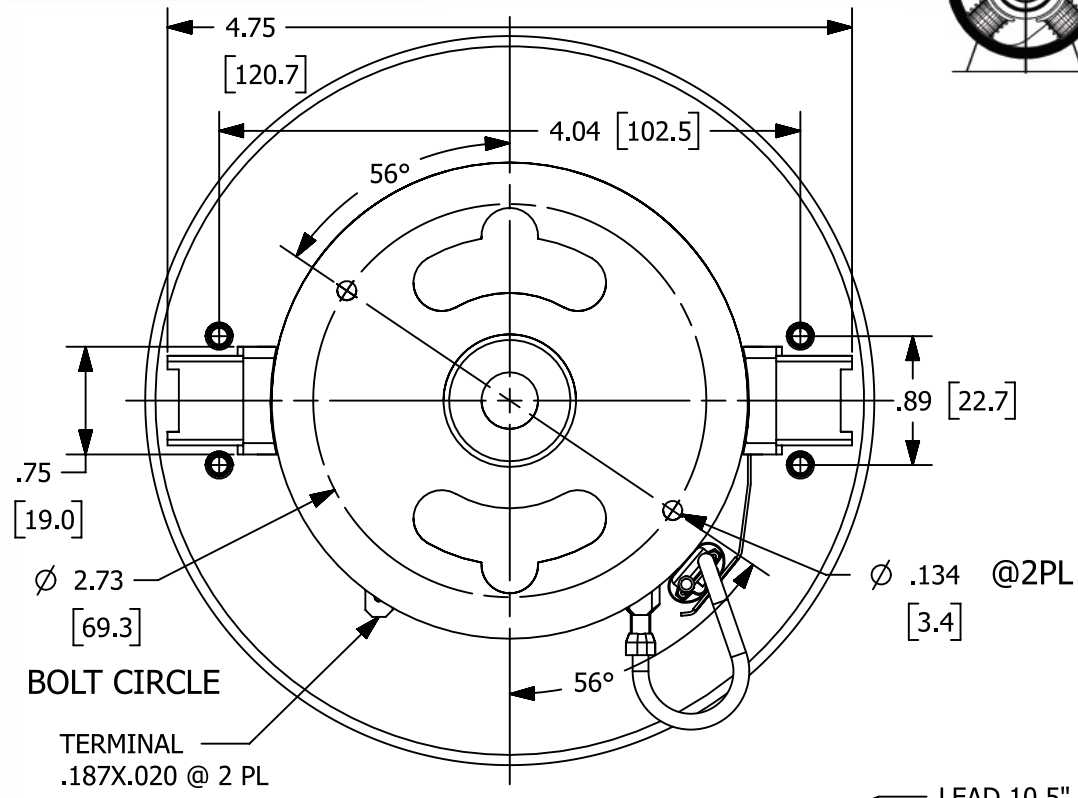


<i>Metric Data</i>					CORR. SUCTION (mm H ₂ O)	AIR FLOW (L/sec)	CORR. INPUT WATTS	AIR WATTS	H.P.	OVERALL EFF.(%)
ORIFICE (mm)	SUCTION (mm H ₂ O)	INPUT WATTS	AMPS	RPM'S						
50.8	67	1477	12.7	36,904	70	41.1	1524	28.1	0.038	1.85
38.1	212	1466	12.6	37,048	221	40.3	1513	87.1	0.117	5.76
31.8	416	1457	12.5	37,294	434	39.3	1503	166.9	0.224	11.10
25.4	872	1422	12.2	37,857	909	36.0	1467	320.1	0.429	21.81
22.2	1263	1385	11.9	38,479	1317	33.0	1430	425.8	0.571	29.78
19.1	1760	1329	11.4	39,596	1835	28.5	1371	512.2	0.687	37.35
15.9	2324	1247	10.6	41,293	2424	22.6	1287	537.2	0.720	41.73
12.7	2740	1140	9.7	43,907	2857	15.7	1176	438.8	0.588	37.31
9.5	2954	1046	8.9	46,188	3080	9.1	1080	275.5	0.369	25.51
6.4	3149	973	8.3	48,591	3284	4.3	1005	139.0	0.186	13.83
0.0	3383	917	7.8	49,149	3528	0.0	946	0.0	0.000	0.00
POLYNOMIAL PEAK AIRWATTS:					537.02					

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	0.658	1477	12.7	36,904	0.69	147.96	1524	28.1	0.038	1.85
38.1	2.076	1466	12.6	37,048	2.16	145.11	1513	87.1	0.117	5.76
31.8	4.084	1457	12.5	37,294	4.26	141.31	1503	166.9	0.224	11.10
25.4	8.547	1422	12.2	37,857	8.91	129.50	1467	320.1	0.429	21.81
22.2	12.383	1385	11.9	38,479	12.91	118.92	1430	425.8	0.571	29.78
19.1	17.259	1329	11.4	39,596	18.00	102.64	1371	512.2	0.687	37.35
15.9	22.790	1247	10.6	41,293	23.77	81.52	1287	537.2	0.720	41.73
12.7	26.865	1140	9.7	43,907	28.01	56.49	1176	438.8	0.588	37.31
9.5	28.966	1046	8.9	46,188	30.21	32.89	1080	275.5	0.369	25.51
6.4	30.880	973	8.3	48,591	32.20	15.56	1005	139.0	0.186	13.83
0.0	33.170	917	7.8	49,149	34.59	0.00	946	0.0	0.000	0.00
POLYNOMIAL PEAK AIRWATTS:					537.02					

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 = 124.99 inH₂O, 3175 mmH₂O or 31.13 Pa, Maximum open watts = 1722 watts.

Models:
 7500-004
 7500-005
 7500-012
 7500-025
 7500-026



Note: Dimensions are for reference only and subject to change. Tolerances of up to ± 0.040 " [1.0mm] can be expected.