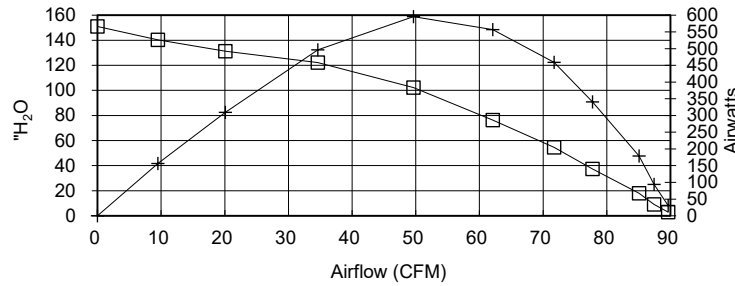


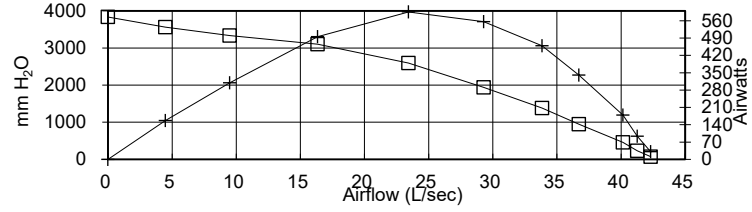
**7500-005
AIRFLOW
PERFORMANCE**

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	2.78	1592	6.8	40,279	2.9	89.6	1652	30.75	0.041	1.86
1.5	8.69	1591	6.8	40,575	9.1	87.4	1652	93.71	0.126	5.67
1.25	17.06	1574	6.7	40,736	17.9	85.1	1634	178.99	0.240	10.95
1	35.52	1537	6.5	41,236	37.3	77.8	1595	340.70	0.457	21.36
0.875	51.85	1500	6.4	41,802	54.5	71.7	1558	458.61	0.615	29.44
0.75	72.69	1435	6.1	42,784	76.4	62.1	1490	556.60	0.746	37.35
0.625	97.29	1344	5.7	44,640	102.3	49.6	1396	595.64	0.798	42.68
0.5	116.18	1228	5.2	47,107	122.1	34.6	1276	496.09	0.665	38.89
0.375	124.90	1120	4.7	49,887	131.3	20.1	1163	309.57	0.415	26.62
0.25	133.45	1036	4.4	52,368	140.3	9.5	1075	156.43	0.210	14.55
0	143.65	960	4.0	54,792	151.0	0.0	997	0.00	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **592.48**



<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	71	1592	6.8	40,279	74	42.3	1652	30.8	0.041	1.86
38.1	221	1591	6.8	40,575	232	41.3	1652	93.7	0.126	5.67
31.8	433	1574	6.7	40,736	455	40.1	1634	179.0	0.240	10.95
25.4	902	1537	6.5	41,236	948	36.7	1595	340.7	0.457	21.36
22.2	1317	1500	6.4	41,802	1384	33.8	1558	458.6	0.615	29.44
19.1	1846	1435	6.1	42,784	1941	29.3	1490	556.6	0.746	37.35
15.9	2471	1344	5.7	44,640	2597	23.4	1396	595.6	0.798	42.68
12.7	2951	1228	5.2	47,107	3102	16.3	1276	496.1	0.665	38.89
9.5	3172	1120	4.7	49,887	3334	9.5	1163	309.6	0.415	26.62
6.4	3390	1036	4.4	52,368	3563	4.5	1075	156.4	0.210	14.55
0.0	3649	960	4.0	54,792	3835	0.0	997	0.0	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **592.48**

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	0.692	1592	6.8	40,279	0.73	152.31	1652	30.8	0.041	1.86
38.1	2.163	1591	6.8	40,575	2.27	148.58	1652	93.7	0.126	5.67
31.8	4.248	1574	6.7	40,736	4.46	144.54	1634	179.0	0.240	10.95
25.4	8.846	1537	6.5	41,236	9.30	132.14	1595	340.7	0.457	21.36
22.2	12.914	1500	6.4	41,802	13.57	121.85	1558	458.6	0.615	29.44
19.1	18.106	1435	6.1	42,784	19.03	105.48	1490	556.6	0.746	37.35
15.9	24.233	1344	5.7	44,640	25.47	84.34	1396	595.6	0.798	42.68
12.7	28.937	1228	5.2	47,107	30.41	58.82	1276	496.1	0.665	38.89
9.5	31.108	1120	4.7	49,887	32.70	34.14	1163	309.6	0.415	26.62
6.4	33.239	1036	4.4	52,368	34.94	16.15	1075	156.4	0.210	14.55
0.0	35.778	960	4.0	54,792	37.60	0.00	997	0.0	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **592.48**

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 @ 240 volts, corrected to standard atmospheric conditions: Minimum sealed vacuum = 135.88 inH2O, 3451 mmH2O or 33.84 Pa, Maximum open watts = 1867 watts.

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

