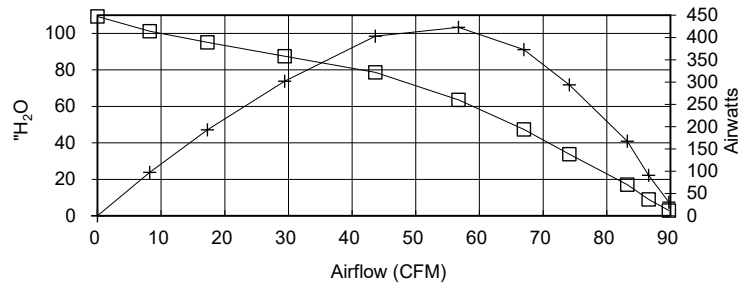
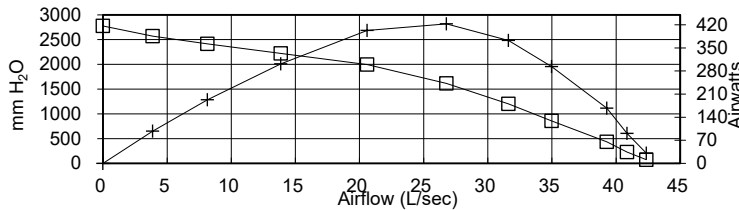


7500-003
AIRFLOW
PERFORMANCE

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	2.80	1099	4.7	39,634	2.9	89.7	1139	30.86	0.041	2.71
1.5	8.53	1090	4.7	39,709	8.9	86.6	1129	90.82	0.122	8.04
1.25	16.34	1084	4.6	39,778	17.1	83.2	1123	167.27	0.224	14.89
1	32.21	1063	4.5	40,186	33.8	74.1	1101	293.56	0.394	26.66
0.875	45.22	1046	4.5	40,506	47.4	67.0	1084	372.54	0.499	34.37
0.75	60.61	1008	4.3	41,255	63.5	56.7	1044	422.79	0.567	40.48
0.625	75.01	949	4.0	42,674	78.6	43.6	983	402.65	0.540	40.96
0.5	83.51	871	3.7	44,589	87.5	29.4	902	301.83	0.405	33.45
0.375	90.78	796	3.4	46,914	95.1	17.3	824	192.80	0.258	23.39
0.25	96.52	733	3.1	48,831	101.2	8.2	760	97.40	0.131	12.82
0	104.29	675	2.8	49,149	109.3	0.0	699	0.00	0.000	0.00
POLYNOMIAL PEAK AIRWATTS:								426.06		



<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	1099	4.7	39,634	74	42.4	1139	30.9	0.041	2.71
38.1	217	1090	4.7	39,709	227	40.9	1129	90.8	0.122	8.04
31.8	415	1084	4.6	39,778	435	39.3	1123	167.3	0.224	14.89
25.4	818	1063	4.5	40,186	857	35.0	1101	293.6	0.394	26.66
22.2	1149	1046	4.5	40,506	1204	31.6	1084	372.5	0.499	34.37
19.1	1539	1008	4.3	41,255	1613	26.8	1044	422.8	0.567	40.48
15.9	1905	949	4.0	42,674	1997	20.6	983	402.7	0.540	40.96
12.7	2121	871	3.7	44,589	2223	13.9	902	301.8	0.405	33.45
9.5	2306	796	3.4	46,914	2417	8.2	824	192.8	0.258	23.39
6.4	2452	733	3.1	48,831	2569	3.9	760	97.4	0.131	12.82
0.0	2649	675	2.8	49,149	2776	0.0	699	0.0	0.000	0.00
POLYNOMIAL PEAK AIRWATTS:								426.06		

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	0.696	1099	4.7	39,634	0.73	152.50	1139	30.9	0.041	2.71
38.1	2.125	1090	4.7	39,709	2.23	147.09	1129	90.8	0.122	8.04
31.8	4.070	1084	4.6	39,778	4.27	141.42	1123	167.3	0.224	14.89
25.4	8.022	1063	4.5	40,186	8.41	125.92	1101	293.6	0.394	26.66
22.2	11.263	1046	4.5	40,506	11.80	113.81	1084	372.5	0.499	34.37
19.1	15.096	1008	4.3	41,255	15.82	96.37	1044	422.8	0.567	40.48
15.9	18.682	949	4.0	42,674	19.58	74.16	983	402.7	0.540	40.96
12.7	20.800	871	3.7	44,589	21.80	49.93	902	301.8	0.405	33.45
9.5	22.612	796	3.4	46,914	23.70	29.34	824	192.8	0.258	23.39
6.4	24.040	733	3.1	48,831	25.19	13.94	760	97.4	0.131	12.82
0.0	25.974	675	2.8	49,149	27.22	0.00	699	0.0	0.000	0.00
POLYNOMIAL PEAK AIRWATTS:								426.06		

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 = 98.36 inH2O, 2498 mmH2O or 24.50 Pa, Maximum open watts = 1287 watts.

Models:
7500-002
7500-003

