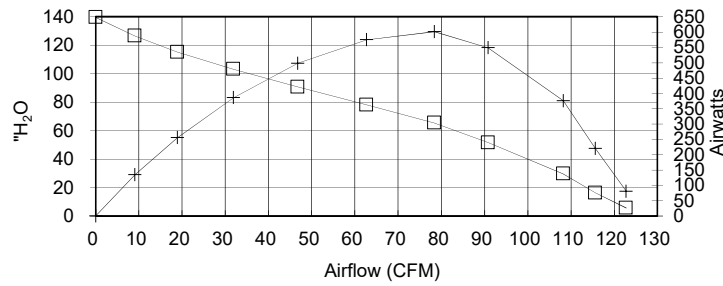


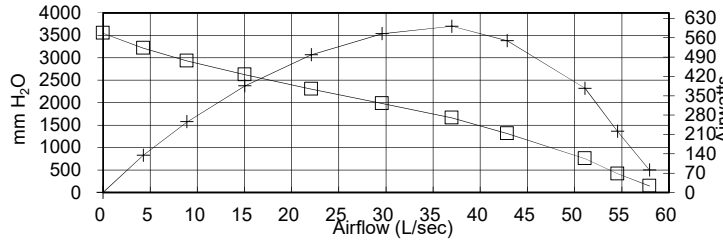
**6500-296
AIRFLOW
PERFORMANCE**

Volts = 240



ORIFICE (Inches)	SUCTION (H ₂ O)	INPUT WATTS	AMPS	RPM'S	CORR. SUCTION (H ₂ O)	AIR FLOW (CFM)	CORR. INPUT WATTS	AIR WATTS	H.P.	OVERALL EFF.(%)
2	5.36	1556	6.6	25,200	5.6	122.8	1605	80.50	0.108	5.02
1.5	15.60	1557	6.6	25,170	16.3	115.6	1606	220.63	0.296	13.74
1.25	28.40	1570	6.7	25,020	29.6	108.3	1620	376.05	0.504	23.22
1	49.44	1580	6.7	25,050	51.5	90.8	1630	549.11	0.736	33.69
0.875	62.72	1560	6.6	25,140	65.4	78.4	1609	601.31	0.806	37.37
0.75	74.92	1512	6.4	25,770	78.1	62.7	1560	574.81	0.771	36.85
0.625	87.04	1432	6.0	26,790	90.7	46.8	1477	498.19	0.668	33.73
0.5	99.04	1332	5.6	28,080	103.2	31.9	1374	385.97	0.517	28.09
0.375	110.56	1222	5.1	29,670	115.2	18.9	1261	255.41	0.342	20.26
0.25	121.48	1140	4.7	30,150	126.6	9.1	1176	134.76	0.181	11.46
0	133.96	1071	4.4	31,620	139.6	0.0	1105	0.00	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **602.30**



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	136	1556	6.6	25,200	142	58.0	1605	80.5	0.108	5.02
38.1	396	1557	6.6	25,170	413	54.6	1606	220.6	0.296	13.74
31.8	721	1570	6.7	25,020	752	51.1	1620	376.0	0.504	23.22
25.4	1256	1580	6.7	25,050	1309	42.9	1630	549.1	0.736	33.69
22.2	1593	1560	6.6	25,140	1660	37.0	1609	601.3	0.806	37.37
19.1	1903	1512	6.4	25,770	1983	29.6	1560	574.8	0.771	36.85
15.9	2211	1432	6.0	26,790	2304	22.1	1477	498.2	0.668	33.73
12.7	2516	1332	5.6	28,080	2622	15.0	1374	386.0	0.517	28.09
9.5	2808	1222	5.1	29,670	2926	8.9	1261	255.4	0.342	20.26
6.4	3086	1140	4.7	30,150	3216	4.3	1176	134.8	0.181	11.46
0.0	3403	1071	4.4	31,620	3546	0.0	1105	0.0	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **602.30**

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	1.335	1556	6.6	25,200	1.39	208.68	1605	80.5	0.108	5.02
38.1	3.885	1557	6.6	25,170	4.05	196.51	1606	220.6	0.296	13.74
31.8	7.074	1570	6.7	25,020	7.37	183.97	1620	376.0	0.504	23.22
25.4	12.314	1580	6.7	25,050	12.83	154.32	1630	549.1	0.736	33.69
22.2	15.622	1560	6.6	25,140	16.28	133.21	1609	601.3	0.806	37.37
19.1	18.660	1512	6.4	25,770	19.45	106.60	1560	574.8	0.771	36.85
15.9	21.679	1432	6.0	26,790	22.59	79.53	1477	498.2	0.668	33.73
12.7	24.668	1332	5.6	28,080	25.71	54.15	1374	386.0	0.517	28.09
9.5	27.537	1222	5.1	29,670	28.70	32.10	1261	255.4	0.342	20.26
6.4	30.257	1140	4.7	30,150	31.53	15.41	1176	134.8	0.181	11.46
0.0	33.365	1071	4.4	31,620	34.77	0.00	1105	0.0	0.000	0.00

POLYNOMIAL PEAK AIRWATTS: **602.30**

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 = 125.64 in H₂O, 3191 mm H₂O or 31.29 kPa, Maximum open watts = 1814 watts.

Models:

6500-288
 6500-296
 6500-316
 6500-317
 6500-320
 6500-323
 6500-339
 6500-343
 6500-354

