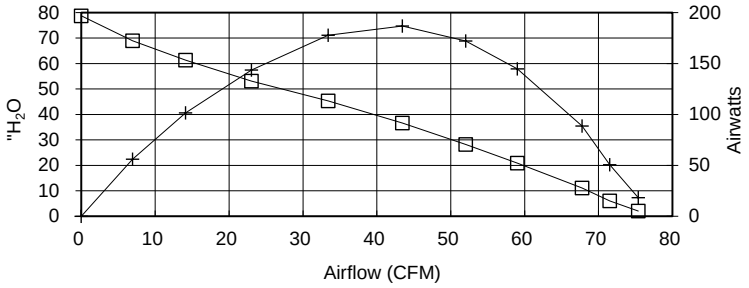
Date Last Modified: 5/15/2012

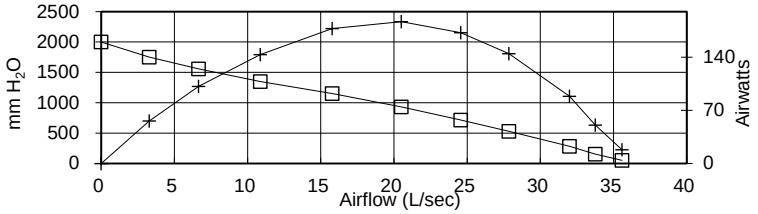
Q6600-102-MPL

AIRFLOW PERFORMANCE

Volts = 36



ORIFICE (Inches)	SUCTION ("H_2O)	INPUT WATTS	AMPS	RPM'S	CORR. SUCTION ("H_2O)	AIR FLOW (CFM)	CORR. INPUT WATTS	AIR WATTS	H.P.	OVERALL EFF.(%)
2	**1.96**	**607**	**16.9**	**14,623**	2.0	75.4	629	18.13	0.024	2.88
1.5	**5.75**	**609**	**16.9**	**14,525**	6.0	71.5	631	50.54	0.068	8.01
1.25	**10.62**	**612**	**17.0**	**14,426**	11.1	67.8	634	88.54	0.119	13.97
1	**19.93**	**620**	**17.2**	**14,254**	20.9	59.0	642	144.64	0.194	22.53
0.875	**26.90**	**621**	**17.2**	**14,182**	28.2	52.0	643	172.17	0.231	26.78
0.75	**34.97**	**615**	**17.1**	**14,250**	36.6	43.4	637	186.82	0.250	29.33
0.625	**43.22**	**595**	**16.6**	**14,526**	45.3	33.4	616	177.69	0.238	28.83
0.5	**50.68**	**566**	**15.7**	**15,115**	53.1	23.0	587	143.52	0.192	24.47
0.375	**58.56**	**533**	**14.8**	**15,850**	61.4	14.1	552	101.57	0.136	18.41
0.25	**65.74**	**507**	**14.1**	**16,746**	68.9	6.9	525	56.10	0.075	10.69
0	**75.14**	**482**	**13.4**	**17,027**	78.7	0.0	499	0.00	0.000	0.00
	POLYNOMIAL PEAK AIRWATTS:				**186.90**					



Metric Data										
ORIFICE (mm)	SUCTION (mm H_2O)	INPUT WATTS	AMPS	RPM'S	CORR. SUCTION (mm H_2O)	AIR FLOW (L/sec)	CORR. INPUT WATTS	AIR WATTS	H.P.	OVERALL EFF.(%)
50.8	**50**	**607**	**16.9**	14,623	52	35.6	629	18.1	0.024	2.88
38.1	**146**	**609**	**16.9**	14,525	153	33.8	631	50.5	0.068	8.01
31.8	**270**	**612**	**17.0**	14,426	283	32.0	634	88.5	0.119	13.97
25.4	**506**	**620**	**17.2**	14,254	530	27.9	642	144.6	0.194	22.53
22.2	**683**	**621**	**17.2**	14,182	716	24.6	643	172.2	0.231	26.78
19.1	**888**	**615**	**17.1**	14,250	931	20.5	637	186.8	0.250	29.33
15.9	**1098**	**595**	**16.6**	14,526	1151	15.8	616	177.7	0.238	28.83
12.7	**1287**	**566**	**15.7**	15,115	1349	10.9	587	143.5	0.192	24.47
9.5	**1487**	**533**	**14.8**	15,850	1559	6.7	552	101.6	0.136	18.41
6.4	**1670**	**507**	**14.1**	16,746	1750	3.3	525	56.1	0.075	10.69
0.0	**1909**	**482**	**13.4**	17,027	2000	0.0	499	0.0	0.000	0.00
	POLYNOMIAL PEAK AIRWATTS:				**186.90**					

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	**0.487**	**607**	**16.9**	**14,623**	0.51	128.07	629	18.1	0.024	2.88
38.1	**1.431**	**609**	**16.9**	**14,525**	1.50	121.52	631	50.5	0.068	8.01
31.8	**2.645**	**612**	**17.0**	**14,426**	2.77	115.18	634	88.5	0.119	13.97
25.4	**4.963**	**620**	**17.2**	**14,254**	5.20	100.29	642	144.6	0.194	22.53
22.2	**6.700**	**621**	**17.2**	**14,182**	7.02	88.43	643	172.2	0.231	26.78
19.1	**8.709**	**615**	**17.1**	**14,250**	9.13	73.82	637	186.8	0.250	29.33
15.9	**10.765**	**595**	**16.6**	**14,526**	11.28	56.80	616	177.7	0.238	28.83
12.7	**12.622**	**566**	**15.7**	**15,115**	13.23	39.13	587	143.5	0.192	24.47
9.5	**14.585**	**533**	**14.8**	**15,850**	15.28	23.97	552	101.6	0.136	18.41
6.4	**16.375**	**507**	**14.1**	**16,746**	17.16	11.79	525	56.1	0.075	10.69
0.0	**18.715**	**482**	**13.4**	**17,027**	19.61	0.00	499	0.0	0.000	0.00
	POLYNOMIAL PEAK AIRWATTS:				**186.90**					

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 @ 36 volts, corrected to standard atmospheric conditions: Minimum sealed vacuum = 67.50 inH20, 1800 mmH20 or 17.65 Pa, Maximum open watts = 711 watts.

ELECTRO MOTOR INC

Models:
Q6600-101A
Q6600-102A
Q6600-147A