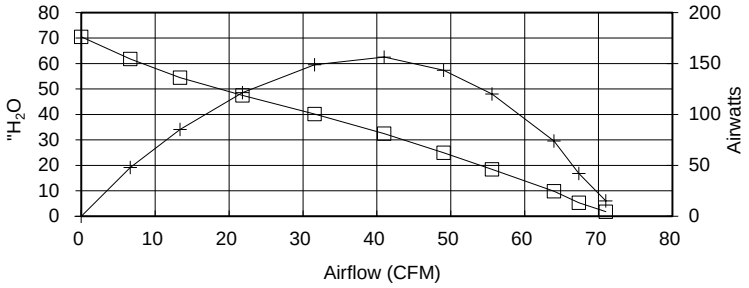
Date Last Modified: 2/4/2011

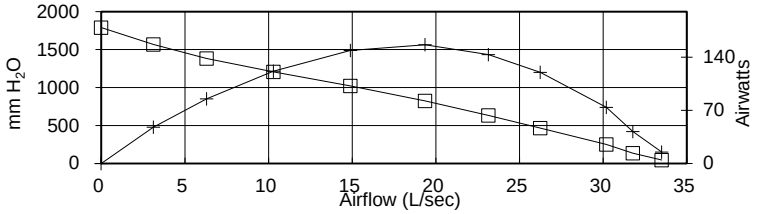
Q6600-147A-MPL

AIRFLOW PERFORMANCE

Volts = 24



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	**1.76**	**503**	**21.1**	**13,509**	1.8	71.0	515	15.10	0.020	2.93
1.5	**5.15**	**508**	**21.2**	**13,470**	5.3	67.3	520	41.97	0.056	8.07
1.25	**9.54**	**511**	**21.3**	**13,386**	9.9	64.0	523	73.95	0.099	14.13
1	**17.81**	**516**	**21.5**	**13,224**	18.4	55.6	529	119.95	0.161	22.69
0.875	**24.14**	**521**	**21.7**	**13,134**	24.9	49.0	534	143.40	0.192	26.87
0.75	**31.47**	**519**	**21.6**	**13,239**	32.5	41.0	532	156.36	0.210	29.41
0.625	**38.91**	**506**	**21.2**	**13,554**	40.2	31.6	518	148.81	0.199	28.71
0.5	**45.98**	**481**	**20.2**	**14,148**	47.5	21.8	493	121.49	0.163	24.66
0.375	**52.70**	**456**	**19.1**	**14,871**	54.4	13.4	467	85.28	0.114	18.26
0.25	**59.82**	**435**	**18.2**	**15,687**	61.8	6.6	446	47.99	0.064	10.77
0	**68.27**	**416**	**17.4**	**16,476**	70.5	0.0	426	0.00	0.000	0.00
	POLYNOMIAL PEAK AIRWATTS: **156.34**									



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	**45**	**503**	**21.1**	13,509	46	33.5	515	15.1	0.020	2.93
38.1	**131**	**508**	**21.2**	13,470	135	31.8	520	42.0	0.056	8.07
31.8	**242**	**511**	**21.3**	13,386	250	30.2	523	74.0	0.099	14.13
25.4	**452**	**516**	**21.5**	13,224	467	26.2	529	119.9	0.161	22.69
22.2	**613**	**521**	**21.7**	13,134	633	23.1	534	143.4	0.192	26.87
19.1	**799**	**519**	**21.6**	13,239	825	19.4	532	156.4	0.210	29.41
15.9	**988**	**506**	**21.2**	13,554	1020	14.9	518	148.8	0.199	28.71
12.7	**1168**	**481**	**20.2**	14,148	1206	10.3	493	121.5	0.163	24.66
9.5	**1339**	**456**	**19.1**	14,871	1382	6.3	467	85.3	0.114	18.26
6.4	**1520**	**435**	**18.2**	15,687	1569	3.1	446	48.0	0.064	10.77
0.0	**1734**	**416**	**17.4**	16,476	1790	0.0	426	0.0	0.000	0.00
	POLYNOMIAL PEAK AIRWATTS: **156.34**									

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	**0.437**	**503**	**21.1**	**13,509**	0.45	120.62	515	15.1	0.020	2.93
38.1	**1.282**	**508**	**21.2**	**13,470**	1.32	114.39	520	42.0	0.056	8.07
31.8	**2.376**	**511**	**21.3**	**13,386**	2.45	108.70	523	74.0	0.099	14.13
25.4	**4.435**	**516**	**21.5**	**13,224**	4.58	94.47	529	119.9	0.161	22.69
22.2	**6.012**	**521**	**21.7**	**13,134**	6.21	83.32	534	143.4	0.192	26.87
19.1	**7.839**	**519**	**21.6**	**13,239**	8.09	69.67	532	156.4	0.210	29.41
15.9	**9.692**	**506**	**21.2**	**13,554**	10.01	53.63	518	148.8	0.199	28.71
12.7	**11.452**	**481**	**20.2**	**14,148**	11.82	37.06	493	121.5	0.163	24.66
9.5	**13.125**	**456**	**19.1**	**14,871**	13.55	22.69	467	85.3	0.114	18.26
6.4	**14.900**	**435**	**18.2**	**15,687**	15.38	11.25	446	48.0	0.064	10.77
0.0	**17.004**	**416**	**17.4**	**16,476**	17.56	0.00	426	0.0	0.000	0.00
	POLYNOMIAL PEAK AIRWATTS: **156.34**									

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 @ 24DC volts, corrected to standard atmospheric conditions: Minimum sealed vacuum = 59.01 inH20, 1611 mmH20 or 15.80 Pa, Maximum open watts = 582 watts.

ELECTRO MOTOR INC

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