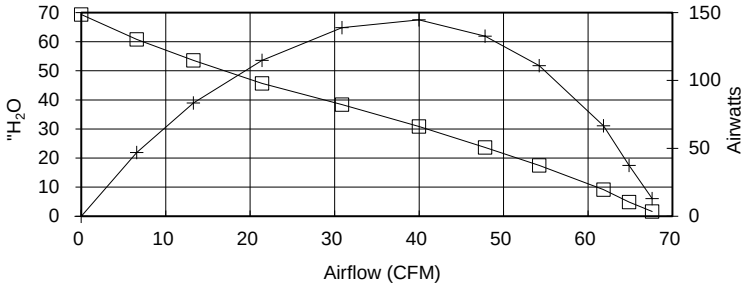
Date Last Modified: 5/14/2012

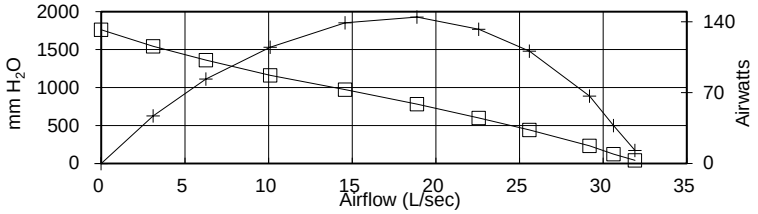
Q6600-170T-MPL

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	**1.57**	**482**	**20.2**	**13,403**	1.6	67.6	500	13.01	0.017	2.60
1.5	**4.70**	**485**	**20.3**	**13,352**	4.9	64.9	502	37.46	0.050	7.46
1.25	**8.75**	**489**	**20.4**	**13,257**	9.2	61.8	506	66.55	0.089	13.15
1	**16.64**	**495**	**20.7**	**13,077**	17.4	54.2	512	110.96	0.149	21.65
0.875	**22.56**	**497**	**20.8**	**13,007**	23.6	47.8	515	132.64	0.178	25.75
0.75	**29.42**	**495**	**20.7**	**13,066**	30.8	40.0	513	144.65	0.194	28.21
0.625	**36.60**	**484**	**20.2**	**13,393**	38.4	30.9	501	138.97	0.186	27.74
0.5	**43.60**	**465**	**19.4**	**13,964**	45.7	21.4	481	114.79	0.154	23.85
0.375	**51.15**	**442**	**18.5**	**14,722**	53.6	13.3	458	83.44	0.112	18.24
0.25	**58.03**	**421**	**17.6**	**15,501**	60.8	6.6	436	46.94	0.063	10.76
0	**66.16**	**401**	**16.8**	**16,309**	69.3	0.0	416	0.00	0.000	0.00
	POLYNOMIAL PEAK AIRWATTS: **144.94**									



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	**40**	**482**	**20.2**	13,403	42	31.9	500	13.0	0.017	2.60
38.1	**119**	**485**	**20.3**	13,352	125	30.6	502	37.5	0.050	7.46
31.8	**222**	**489**	**20.4**	13,257	233	29.2	506	66.6	0.089	13.15
25.4	**423**	**495**	**20.7**	13,077	443	25.6	512	111.0	0.149	21.65
22.2	**573**	**497**	**20.8**	13,007	601	22.6	515	132.6	0.178	25.75
19.1	**747**	**495**	**20.7**	13,066	783	18.9	513	144.6	0.194	28.21
15.9	**930**	**484**	**20.2**	13,393	974	14.6	501	139.0	0.186	27.74
12.7	**1107**	**465**	**19.4**	13,964	1160	10.1	481	114.8	0.154	23.85
9.5	**1299**	**442**	**18.5**	14,722	1361	6.3	458	83.4	0.112	18.24
6.4	**1474**	**421**	**17.6**	15,501	1545	3.1	436	46.9	0.063	10.76
0.0	**1681**	**401**	**16.8**	16,309	1761	0.0	416	0.0	0.000	0.00
	POLYNOMIAL PEAK AIRWATTS: **144.94**									

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	**0.390**	**482**	**20.2**	**13,403**	0.41	114.87	500	13.0	0.017	2.60
38.1	**1.169**	**485**	**20.3**	**13,352**	1.23	110.23	502	37.5	0.050	7.46
31.8	**2.179**	**489**	**20.4**	**13,257**	2.28	105.08	506	66.6	0.089	13.15
25.4	**4.143**	**495**	**20.7**	**13,077**	4.34	92.15	512	111.0	0.149	21.65
22.2	**5.619**	**497**	**20.8**	**13,007**	5.89	81.23	515	132.6	0.178	25.75
19.1	**7.327**	**495**	**20.7**	**13,066**	7.68	67.94	513	144.6	0.194	28.21
15.9	**9.116**	**484**	**20.2**	**13,393**	9.55	52.46	501	139.0	0.186	27.74
12.7	**10.859**	**465**	**19.4**	**13,964**	11.38	36.38	481	114.8	0.154	23.85
9.5	**12.739**	**442**	**18.5**	**14,722**	13.35	22.54	458	83.4	0.112	18.24
6.4	**14.453**	**421**	**17.6**	**15,501**	15.15	11.18	436	46.9	0.063	10.76
0.0	**16.479**	**401**	**16.8**	**16,309**	17.27	0.00	416	0.0	0.000	0.00
	POLYNOMIAL PEAK AIRWATTS: **144.94**									

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 @ 24 volts, corrected to standard atmospheric conditions: Minimum sealed vacuum = 62.40 inH20, 1585 mmH20 or 15.54 Pa, Maximum open watts = 565 watts.

ELECTRO MOTOR INC

Models:
Q6600-170T
Q6600-171T