

**Kv** 1500  
**Kt** 0.8  
**Arm Res** 0.1426  
**No Load Current** 3.2  
**Kv \* Kt** 1200  
**Max Volts** 12

MECI 420-0575 "Mini-EV"

	Amps	Torque	RPM	Power In	Power Out	Efficiency	HP
	3.2	0	18000	38.4	0	0%	0.000
	6	2.24	16717	72	31.20432	43%	0.042
	8	3.84	16289	96	52.12416	54%	0.070
	10	5.44	15861	120	71.9032	60%	0.096
	12	7.04	15433	144	90.54144	63%	0.121
	14	8.64	15005	168	108.03888	64%	0.145
	16	10.24	14578	192	124.39552	65%	0.167
	18	11.84	14150	216	139.61136	65%	0.187
	20	13.44	13722	240	153.6864	64%	0.206
	22	15.04	13294	264	166.62064	63%	0.223
	24	16.64	12866	288	178.41408	62%	0.239
	26	18.24	12439	312	189.06672	61%	0.253
	28	19.84	12011	336	198.57856	59%	0.266
	30	21.44	11583	360	206.9496	57%	0.277
	32	23.04	11155	384	214.17984	56%	0.287
	34	24.64	10727	408	220.26928	54%	0.295
	36	26.24	10300	432	225.21792	52%	0.302
	38	27.84	9872	456	229.02576	50%	0.307
	40	29.44	9444	480	231.6928	48%	0.311
<b>Peak HP</b>	<b>42.08</b>	<b>31.10</b>	<b>9000.00</b>	<b>504.91</b>	<b>233.25</b>	<b>46%</b>	<b>0.313</b>
	44	32.64	8588	528	233.60448	44%	0.313
	46	34.24	8161	552	232.84912	42%	0.312
	48	35.84	7733	576	230.95296	40%	0.310
	50	37.44	7305	600	227.916	38%	0.306
	52	39.04	6877	624	223.73824	36%	0.300
	54	40.64	6449	648	218.41968	34%	0.293
	56	42.24	6022	672	211.96032	32%	0.284
	58	43.84	5594	696	204.36016	29%	0.274
	60	45.44	5166	720	195.6192	27%	0.262
	62	47.04	4738	744	185.73744	25%	0.249
	64	48.64	4310	768	174.71488	23%	0.234
	66	50.24	3883	792	162.55152	21%	0.218
	68	51.84	3455	816	149.24736	18%	0.200
	70	53.44	3027	840	134.8024	16%	0.181
	72	55.04	2599	864	119.21664	14%	0.160
	74	56.64	2171	888	102.49008	12%	0.137
	76	58.24	1744	912	84.62272	9%	0.113
	78	59.84	1316	936	65.61456	7%	0.088
	80	61.44	888	960	45.4656	5%	0.061
	82	63.04	460	984	24.17584	2%	0.032
<b>Stall Amps</b>	<b>84</b>	<b>64.64</b>	<b>32</b>	<b>1008</b>	<b>1.74528</b>	<b>0%</b>	<b>0.002</b>