



Performance Data
eVP-50 with eVector technology

eVP-50 (130Kv)							
Mass of EV-50 propulsor is ~1250 grams							
Ambient temperature (Celsius) 17° Torque efficiency 87% Altitude 2000 feet (610 meters)							
Indicates maximum sustained thrust							
Voltage	Prop	Current (A)	Power (W)	Thrust (lbs)	Thrust (g)	Grams/Watt	Operation Temperature (C)
48	42"x13.1	4.80	230	6.3	2864	12.43	>110
48		9.60	461	11.4	5182	11.25	
48		15.20	730	16.0	7273	9.97	
48		19.60	941	19.5	8864	9.42	
48		25.50	1224	23.4	10636	8.69	
48		29.50	1416	26.2	11909	8.41	
48		35.50	1704	30.0	13636	8.00	
48		41.90	2011	34.0	15455	7.68	
48		47.90	2299	37.0	16818	7.31	
48		50.80	2438	38.5	17500	7.18	
48		62.00	2976	45.0	20455	6.87	
48		81.00	3888	53.0	24091	6.20	
48	45"x13.1	5.00	240	7.5	3410	14.21	> 110
48		8.00	384	10.5	4770	12.42	
48		11.00	528	13.0	5910	11.19	
48		15.00	720	16.7	7600	10.56	
48		20.00	960	20.7	9410	9.80	
48		25.00	1200	25.0	11364	9.47	
48		30.00	1440	27.5	12500	8.68	
48		40.00	1920	34.4	15636	8.14	
48		50.00	2400	40.0	18182	7.58	
48		60.00	2880	45.0	20455	7.10	
48		72.00	3456	51.0	23182	6.71	
48		80.00	3840	55.0	25000	6.51	
48		85.00	4080	58.0	26363	6.46	~110 < 30 minute
48		95.00	4560	62.0	28182	6.18	~150 < 3 minute
48		115.00	5520	75.0	34091	6.18	~150 < 1 minute
48	48"x16.4	6.0	288	9.0	3273	11.36	<113
48		11.0	528	14.8	5818	11.02	
48		15.5	744	18.0	6909	9.29	
48		18.5	888	21.0	9727	10.95	
48		25.5	1224	26.0	11818	9.66	
48		34.0	1632	31.0	13000	7.97	
48		39.0	1872	35.0	14091	7.53	
48		44.0	2112	38.0	15455	7.32	
48		48.5	2328	40.0	18636	8.01	
48		59.0	2832	45.5	20909	7.38	
48		72.0	3456	50.0	22273	6.44	
48		131.0	6288	55.0	25000	3.98	

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Indicates maximum sustained thrust

Voltage	Prop	Current (A)	Power (W)	Thrust (lbs)	Thrust (g)	Grams/Watt	Operation Temperature (C)
48	53"x16	5.50	264	8.3	3773	14.29	<110
48		9.60	461	12.8	5818	12.63	
48		15.00	720	18.2	8273	11.49	
48		20.60	989	22.7	10318	10.43	
48		25.00	1200	27.0	12273	10.23	
48		31.00	1488	30.4	13818	9.29	
48		40.00	1920	36.0	16364	8.52	
48		50.00	2400	42.0	19091	7.95	
48		60.00	2880	46.0	20909	7.26	
48		70.00	3360	51.0	23182	6.90	
48		80.00	3840	55.0	25000	6.51	
48	45"X12.8	5.0	440	13.0	5897	13.40	<120
48		10.0	880	21.0	9526	10.82	
48		15.0	1320	24.5	11113	8.42	
48		20.0	1760	30.0	13608	7.73	
48		25.0	2200	37.0	16783	7.63	
48		30.0	2640	42.0	19051	7.22	
48		40.0	3520	50.0	22680	6.44	
48		50.0	4400	57.0	25855	5.88	
48		60.0	5280	65.0	29484	5.58	
48		130.0	11440	90.0	40824	3.57	