



# Performance Data eVP-20 with eVector technology

## eVP-20 (110Kv)

Ambient temperature (Celsius) 17° • Torque efficiency 87% • Altitude 2000 feet  
Mass of EV-20 propulsor ~540 grams

Indicates maximum sustained thrust

Voltage	Prop	Current (A)	Power (W)	Thrust (lbs)	Thrust (g)	Grams/Watt	Torque (Nm)
48	29.5"x9.2	5.0	240	6.0	2722	11.3	0.63
48		10.0	480	10.0	4356	9.5	0.97
48		12.0	576	11.7	5307	9.2	1.08
48	31"x10	5.0	240	6.3	2858	11.9	0.7
48		10.0	480	10.0	4536	9.5	1.1
48		16.0	768	14.4	6532	8.5	1.5
48	33.5"x11	5.0	240	7.2	3266	13.6	0.8
48		10.0	480	11.5	5216	10.9	1.2
48		15.0	720	15.0	6804	9.5	1.6
48		20.0	960	18.7	8482	8.8	1.9
48		21.0	1008	19.0	8618	8.6	1.9
48	36"x11.5	5.0	240	7.0	3175	13.2	0.9
48		10.0	480	12.3	5579	11.6	1.5
48		15.0	720	15.1	6849	9.5	2.0
48		20.0	960	19.1	8664	9.0	2.3
48		25.0	1200	21.4	9707	8.1	2.7
48		28.0	1344	23.4	10614	7.9	2.9
48	38"x11.8	5.0	240	8.0	3629	15.1	0.9
48		10.0	480	12.2	5548	11.6	1.5
48		15.0	720	15.7	7099	9.9	1.9
48		20.0	960	18.8	8546	8.9	2.4
48		25.0	1200	21.4	9698	8.1	2.8
48		30.0	1440	24.1	10950	7.6	3.1

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48	41"x12.9	5.0	240	8.0	3629	15.1	1.1
48		10.0	480	12.4	5625	11.7	1.7
48		15.0	720	16.0	7258	10.1	2.3
48		20.0	960	19.0	8618	9.0	2.8
48		21.0	1008	20.0	9072	9.0	3.0
48		25.0	1200	22.0	9979	8.3	3.3
48		30.0	1440	24.3	11022	7.7	3.8
48		34.0	1632	27.0	12247	7.5	4.1
48	42"x13.1	5.0	240	7.9	3597	15.0	1.1
48		10.0	480	12.8	5797	12.1	1.8
48		15.0	720	15.7	7099	9.9	2.4
48		20.0	960	19.0	8596	9.0	2.9
48		25.0	1200	21.3	9639	8.0	3.5
48		30.0	1440	24.4	11050	7.7	4.0
48		36.0	1728	27.8	12610	7.3	4.4



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Voltage	Prop	Current (A)	Power (W)	Thrust (lbs)	Thrust (g)	Grams/Watt	Torque (Nm)
60	29.5"x9.2	4.0	240	6.0	2722	11.3	0.61
60		5.0	300	7.5	3402	11.3	0.72
60		10.0	600	12.2	5534	9.2	1.09
60		15.0	900	15.2	6895	7.7	1.46
60		17.0	1020	17.0	7711	7.6	1.57
60	31"x10	4.0	240	6.0	2722	11.3	0.7
60		5.0	300	7.5	3402	11.3	0.8
60		10.0	600	12.2	5534	9.2	1.3
60		15.0	900	16.2	7348	8.2	1.6
60		20.0	1200	20.0	9072	7.6	2.0
60		23.0	1380	21.2	9616	7.0	2.2
60	33.5"x11	5.0	300	8.4	3810	12.7	0.9
60		10.0	600	12.6	5715	9.5	1.4
60		15.0	900	16.6	7530	8.4	1.9
60		20.0	1200	21.0	9526	7.9	2.2
60		25.0	1500	25.0	11340	7.6	2.6
60	36"x11.5	5.0	300	8.3	3765	12.5	1.1
60		10.0	600	13.2	5988	10.0	1.7
60		15.0	900	16.7	7575	8.4	2.3
60		20.0	1200	21.0	9526	7.9	2.8
60		25.0	1500	24.0	10886	7.3	3.3
60		34.4	2064	30.0	13608	6.6	4.0
60	41"x12.9	5.0	300	9.4	4264	14.2	1.3
60		10.0	600	14.0	6350	10.6	2.1
60		15.0	900	18.5	8392	9.3	2.7
60		19.0	1140	21.0	9526	8.4	3.2
60		20.0	1200	22.0	9979	8.3	3.3
60		25.0	1500	24.3	11022	7.3	3.9
60		30.0	1800	27.0	12247	6.8	4.5
60		36.0	2160	30.0	13608	6.3	5.0
60	42"x13.1	5.0	300	8.7	3946	13.2	1.4
60		10.0	600	14.2	6446	10.7	2.2
60		15.0	900	18.1	8197	9.1	2.8
60		20.0	1200	21.4	9707	8.1	3.4
60		25.0	1500	24.8	11249	7.5	4.1
60		30.0	1800	27.7	12542	7.0	4.6
60		36.0	2160	30.2	13699	6.3	5.3



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Voltage	Prop	Current (A)	Power (W)	Thrust (lbs)	Thrust (g)	Grams/Watt	Torque (Nm)
88	29.5"x9.2	3.0	264	6.0	2722	10.3	0.7
88		5.0	440	9.5	4309	9.8	0.9
88		10.0	880	15.0	6804	7.7	1.4
88		15.0	1320	20.0	9072	6.9	1.9
88		22.0	1936	26.5	12020	6.2	2.5
88		30.0	2640	30.0	13608	5.2	3.0
88	31"x10	2.8	168	6.0	2722	16.2	0.5
88		5.0	300	9.3	4218	14.1	0.7
88		10.0	600	15.4	6985	11.6	1.1
88		15.0	900	20.5	9299	10.3	1.4
88		22.0	1320	27.0	12247	9.3	1.9
88		29.0	1740	31.5	14288	8.2	2.3
88	33.5"x11	2.5	220	6.0	2722	12.4	0.8
88		5.0	440	10.5	4763	10.8	1.2
88		10.0	880	17.0	7711	8.8	1.9
88		15.0	1320	23.0	10433	7.9	2.5
88		22.0	1936	28.5	12928	6.7	3.3
88		29.0	2552	34.0	15422	6.0	3.9
88	36"x11.5	1.3	211	6.0	2722	12.9	0.8
88		5.0	440	12.0	5443	12.4	1.2
88		10.0	880	17.5	7938	9.0	2
88		15.0	1320	22.0	9979	7.6	2.7
88		22.0	1936	28.5	12928	6.7	3.5
88		29.0	2552	33.5	15196	6.0	4.2



## Performance Data eVP-20 with eVector technology

### eVP-20 (170Kv)

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Mass of EV-20 propulsor ~540 grams

Voltage	Prop	Current (A)	Power (W)	Thrust (lbs)	Thrust (g)	Grams/Watt	Torque (Nm)
48	26"x8	5.0	240	5	2268	9.5	
48		11.0	528	9.0	4082	7.7	
48		15.0	720	11.3	5126	7.1	
48		20.0	960	14.3	6486	6.8	
48		25.0	1200	16.8	7620	6.4	
48	28"x8.8	5.0	240	5.2	2359	9.8	
48		11.0	528	10.2	4627	8.8	
48		15.0	720	13.0	5897	8.2	
48		20.0	960	15.0	6804	7.1	
48		25.0	1200	18.2	8256	6.9	
48		30.0	1440	21.0	9526	6.6	
48		35.0	1680	22.7	10297	6.1	
48		40.0	1920	25.4	11521	6.0	
48	29.5"x9.2	5.0	240	6.3	2858	11.9	
48		11.0	528	10.0	4536	9.5	
48		15.0	720	13.0	5897	8.2	
48		20.0	960	16.0	7258	7.6	
48		25.0	1200	18.5	8392	7.0	
48		30.0	1440	21.3	9662	6.7	
48		35.0	1680	23.0	10433	6.2	
48		39.0	1872	25.0	11340	6.1	
48	31"x10	5.0	240	6.1	2767	11.5	
48		11.0	528	10.0	4536	9.5	
48		15.0	720	13.6	6169	8.6	
48		20.0	960	16.1	7303	7.6	
48		25.0	1200	19.0	8618	7.2	
48		30.0	1440	21.5	9752	6.8	
48		35.0	1680	23.5	10660	6.3	
48		40.0	1920	25.5	11567	6.0	
48		48.0	2304	30.0	13608	5.9	

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Mass of EV-20 propulsor ~540 grams

Voltage	Prop	Current (A)	Power (W)	Thrust (lbs)	Thrust (g)	Grams/Watt	Torque (Nm)
48	33.5"x11"	5.0	240	7.1	3221	13.4	
48		10.0	480	11.3	5126	10.7	
48		15.0	720	14.0	6350	8.8	
48		20.0	960	17.6	7983	8.3	
48		25.0	1200	20.0	9072	7.6	
48		30.0	1440	23.0	10433	7.2	
48		36.0	1728	25.0	11340	6.6	
48		40.0	1920	27.0	12247	6.4	
48		48.0	2304	30.0	13608	5.9	
48	38"x11.8	5.0	240	8.00	3629	15.1	
48		10.0	480	12.23	5548	11.6	
48		15.0	720	15.65	7099	9.9	
48		20.0	960	18.84	8546	8.9	
48		25.0	1200	21.38	9698	8.1	
48		30.0	1440	24.14	10950	7.6	
48	42"x13.1	5.0	240	7.93	3597	15.0	
48		10.0	480	12.78	5797	12.1	
48		15.0	720	15.65	7099	9.9	
48		20.0	960	18.95	8596	9.0	
48		21.0	1080	19.50	8845	8.0	
48		25.0	1200	21.25	9639	7.7	
48		30.0	1440	24.36	11050	7.3	
48		36.0	1728	27.80	12610	8.8	
60	42"x13.1	5.0	300	8.70	3946	13.2	
60		10.0	600	14.21	6446	10.7	
60		15.0	900	18.07	8197	9.1	
60		18.0	1080	20.00	9072	8.4	
60		20.0	1200	21.40	9707	8.1	
60		25.0	1500	24.80	11249	7.5	
60		30.0	1800	27.65	12542	7.0	
60		36.0	2160	30.20	13699	6.3	