

MOTOR VERSION	VOLTAGE LIPO [V]	PROPELLER SIZE	THROTTLE RANGE	AMPERAGE [A]	POWER INPUT		THRUST OUTPUT			EST. THRUST AT SEALEVEL*			RPM [rev/min]	TORQUE [Nm]	Efficiency [g/W]		
					[W]	[HP]	[g]	[N]	[lb]	[g]	[N]	[lb]					
KDE2814-515kv	16.8V [4S]	12.5" x 4.3 DUAL-EDN (KDE)	25.00%	1.1	16	0.02	165	1.62	0.36	181	1.77	0.40	3150	0.04	10.12		
			37.50%	1.8	26	0.04	260	2.55	0.57	285	2.80	0.63	3880	0.05	9.87		
			50.00%	2.8	42	0.06	398	3.90	0.88	436	4.28	0.96	4700	0.07	9.49		
			62.50%	4.3	64	0.09	556	5.45	1.23	609	5.98	1.34	5550	0.10	8.69		
			75.00%	6.8	100	0.13	778	7.64	1.72	854	8.37	1.88	6510	0.13	7.79		
			87.50%	9.6	142	0.19	1029	10.09	2.27	1128	11.07	2.49	7370	0.17	7.23		
		100.00%	12.5	185	0.25	1230	12.07	2.71	1349	13.23	2.98	8090	0.20	6.67			
		12.5" x 4.3 TRIPLE-EDN (KDE)	25.00%	1.1	17	0.02	215	2.11	0.47	236	2.31	0.52	2900	0.03	12.86		
			37.50%	1.9	29	0.04	336	3.30	0.74	368	3.61	0.81	3630	0.06	11.76		
			50.00%	3.3	49	0.07	505	4.95	1.11	554	5.43	1.22	4530	0.08	10.22		
			62.50%	5.2	77	0.10	666	6.54	1.47	731	7.17	1.61	5370	0.11	8.61		
			75.00%	8.2	121	0.16	905	8.88	2.00	992	9.74	2.19	6270	0.15	7.46		
			87.50%	11.5	170	0.23	1139	11.18	2.51	1250	12.26	2.76	7090	0.20	6.71		
		100.00%	15.0	221	0.30	1383	13.56	3.05	1516	14.87	3.34	7750	0.23	6.24			
		15.5" x 5.3 DUAL-EDN (KDE)	25.00%	1.6	23	0.03	307	3.01	0.68	337	3.30	0.74	2250	0.07	13.39		
			37.50%	3.2	47	0.06	551	5.40	1.21	604	5.93	1.33	3040	0.11	11.67		
			50.00%	5.9	87	0.12	822	8.06	1.81	901	8.84	1.99	3820	0.17	9.49		
			62.50%	9.9	146	0.20	1172	11.50	2.59	1286	12.61	2.84	4500	0.23	8.01		
			75.00%	14.3	211	0.28	1481	14.53	3.27	1624	15.93	3.58	5090	0.29	7.02		
			87.50%	19.5	288	0.39	1836	18.01	4.05	2013	19.75	4.44	5570	0.35	6.37		
		100.00%	25.2	423	0.57	2177	21.35	4.80	2387	23.41	5.26	6050	0.39	5.15			
		KDE2814-515kv	25.2V [6S]	12.5" x 4.3 DUAL-EDN (KDE)	25.00%	1.7	43	0.06	340	3.34	0.75	373	3.66	0.82	4340	0.06	7.90
					37.50%	2.9	72	0.10	530	5.20	1.17	581	5.70	1.28	5380	0.09	7.32
					50.00%	5.0	125	0.17	806	7.91	1.78	884	8.67	1.95	6630	0.13	6.42
62.50%	8.1				203	0.27	1148	11.26	2.53	1259	12.35	2.78	7890	0.19	5.65		
75.00%	11.9				300	0.40	1541	15.11	3.40	1690	16.58	3.73	9020	0.25	5.13		
87.50%	16.8				424	0.57	1935	18.98	4.27	2122	20.81	4.68	10070	0.31	4.56		
100.00%	22.0			553	0.74	2328	22.84	5.13	2553	25.04	5.63	10980	0.38	4.21			
12.5" x 4.3 TRIPLE-EDN (KDE)	25.00%			1.7	44	0.06	341	3.34	0.75	374	3.67	0.82	3950	0.06	7.82		
	37.50%			3.4	85	0.11	590	5.78	1.30	646	6.34	1.43	5160	0.11	6.90		
	50.00%			6.0	151	0.20	909	8.91	2.00	996	9.77	2.20	6360	0.16	6.03		
	62.50%			9.7	245	0.33	1309	12.84	2.89	1435	14.08	3.17	7580	0.22	5.34		
	75.00%			14.2	359	0.48	1724	16.92	3.80	1891	18.55	4.17	8610	0.27	4.81		
	87.50%			19.6	494	0.66	2172	21.31	4.79	2382	23.37	5.25	9520	0.34	4.39		
100.00%	25.1			632	0.85	2490	24.43	5.49	2731	26.79	6.02	10320	0.40	3.94			
Temperature: 68 deg F Elevation: 3500' Relative Humidity: 40% Pressure: 1010 hPa																	
Tested on DC Power Supply with KDE-UAS125UVC on firmware version: D460340																	
Motor Edition Selected Synchronous Rectification: Deactivated																	
*Calculated thrust at sealevel for that given RPM. Power requirements will vary.																	