

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]					
KDE3510-715kV	12.6V [3S]	12.5" x 4.3 DUAL-EDN (KDE)	25.00%	1.0	12	0.02	127	1.25	0.28	139	1.37	0.31	2700	0.02	10.29		
			37.50%	1.8	23	0.03	213	2.09	0.47	234	2.29	0.52	3560	0.03	9.39		
			50.00%	3.3	41	0.06	357	3.50	0.79	392	3.84	0.87	4560	0.06	8.69		
			62.50%	5.3	67	0.09	525	5.15	1.16	576	5.65	1.27	5490	0.09	7.88		
			75.00%	8.4	105	0.14	733	7.19	1.62	804	7.89	1.78	6470	0.12	6.95		
			87.50%	11.9	150	0.20	964	9.45	2.13	1057	10.36	2.34	7330	0.15	6.42		
		100.00%	15.3	193	0.26	1154	11.32	2.54	1266	12.41	2.79	7990	0.18	5.98			
		12.5" x 4.3 TRIPLE-EDN (KDE)	25.00%	1.1	13	0.02	137	1.34	0.30	150	1.47	0.33	2520	0.03	10.36		
			37.50%	2.1	27	0.04	256	2.51	0.56	281	2.75	0.61	3440	0.05	9.58		
			50.00%	4.0	51	0.07	444	4.35	0.98	487	4.77	1.07	4430	0.08	8.74		
			62.50%	6.6	83	0.11	635	6.23	1.40	696	6.83	1.54	5310	0.11	7.67		
			75.00%	10.3	130	0.17	873	8.56	1.92	957	9.39	2.11	6240	0.15	6.74		
			87.50%	14.6	184	0.25	1129	11.07	2.49	1238	12.14	2.73	7040	0.18	6.15		
		100.00%	19.2	242	0.32	1366	13.40	3.01	1498	14.70	3.30	7750	0.22	5.66			
		15.5" x 5.3 DUAL-EDN (KDE)	25.00%	1.7	22	0.03	276	2.71	0.61	303	2.97	0.67	2170	0.05	12.68		
			37.50%	3.8	48	0.06	516	5.06	1.14	566	5.55	1.25	2990	0.10	10.67		
			50.00%	7.4	94	0.13	808	7.93	1.78	886	8.69	1.95	3770	0.16	8.62		
			62.50%	12.7	160	0.21	1140	11.18	2.51	1250	12.26	2.76	4480	0.22	7.14		
			75.00%	18.7	235	0.32	1462	14.35	3.23	1604	15.73	3.54	5070	0.28	6.22		
			87.50%	26.2	330	0.44	1798	17.63	3.96	1971	19.34	4.35	5660	0.35	5.44		
		100.00%	34.8	438	0.59	2134	20.94	4.71	2340	22.96	5.16	6130	0.40	4.87			
		15.5" x 5.3 TRIPLE-EDN (KDE)	25.00%	2.1	27	0.04	300	2.95	0.66	329	3.23	0.73	2040	0.08	11.24		
			37.50%	4.7	59	0.08	555	5.44	1.22	608	5.97	1.34	2770	0.13	9.33		
			50.00%	9.6	121	0.16	898	8.81	1.98	985	9.66	2.17	3520	0.21	7.45		
			62.50%	15.7	197	0.26	1223	12.00	2.70	1342	13.16	2.96	4090	0.27	6.20		
			75.00%	23.4	294	0.39	1519	14.90	3.35	1665	16.34	3.67	4590	0.34	5.16		
			87.50%	31.3	395	0.53	1793	17.59	3.95	1966	19.29	4.34	4940	0.40	4.54		
		100.00%	41.9	528	0.71	2138	20.97	4.72	2345	23.00	5.17	5370	0.45	4.05			
		KDE3510-715kV	16.8V [4S]	12.5" x 4.3 DUAL-EDN (KDE)	25.00%	1.4	23	0.03	212	2.08	0.47	232	2.28	0.52	3470	0.03	9.35
					37.50%	2.8	46	0.06	388	3.80	0.86	426	4.17	0.94	4660	0.06	8.40
					50.00%	5.0	84	0.11	625	6.13	1.38	685	6.72	1.51	5880	0.10	7.47
					62.50%	8.3	139	0.19	890	8.73	1.96	976	9.57	2.15	7050	0.14	6.40
					75.00%	12.7	214	0.29	1202	11.79	2.65	1318	12.93	2.91	8210	0.19	5.62
					87.50%	18.0	303	0.41	1544	15.14	3.40	1693	16.60	3.73	9220	0.24	5.09
				100.00%	24.0	402	0.54	1867	18.31	4.12	2048	20.08	4.52	10100	0.30	4.64	
				12.5" x 4.3 TRIPLE-EDN (KDE)	25.00%	1.5	26	0.03	240	2.36	0.53	264	2.59	0.58	3290	0.04	9.41
37.50%	3.3				55	0.07	447	4.38	0.98	490	4.80	1.08	4480	0.08	8.06		
50.00%	6.2				105	0.14	731	7.17	1.61	802	7.87	1.77	5700	0.13	6.99		
62.50%	10.3				174	0.23	1002	9.83	2.21	1099	10.78	2.42	6830	0.18	5.78		
75.00%	15.6				263	0.35	1369	13.43	3.02	1501	14.73	3.31	7840	0.24	5.21		
87.50%	21.9				368	0.49	1733	17.00	3.82	1900	18.64	4.19	8810	0.29	4.70		
100.00%	28.8			483	0.65	2075	20.36	4.58	2276	22.33	5.02	9630	0.35	4.29			
15.5" x 5.3 DUAL-EDN (KDE)	25.00%			2.6	44	0.06	440	4.32	0.97	482	4.73	1.06	2830	0.09	10.11		
	37.50%			6.1	102	0.14	811	7.96	1.79	889	8.73	1.96	3830	0.17	7.95		
	50.00%			12.2	204	0.27	1292	12.67	2.85	1417	13.90	3.12	4810	0.25	6.32		
	62.50%			19.2	322	0.43	1695	16.63	3.74	1859	18.24	4.10	5520	0.34	5.27		
	75.00%			28.6	480	0.64	2118	20.78	4.67	2323	22.79	5.12	6060	0.41	4.41		
	87.50%			37.5	631	0.85	2446	24.00	5.40	2683	26.32	5.92	6470	0.46	3.88		
100.00%	48.8			820	1.10	2834	27.81	6.25	3109	30.49	6.86	6920	0.52	3.46			

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.