

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]					
KDE3520-400kV	16.8V [4S]	15.5" x 5.3 DUAL-EDN (KDE)	25.00%	0.9	15	0.02	211	2.07	0.47	232	2.27	0.51	1870	0.04	13.66		
			37.50%	1.9	31	0.04	371	3.64	0.82	407	3.99	0.90	2600	0.08	11.80		
			50.00%	3.3	56	0.08	606	5.94	1.34	664	6.52	1.47	3300	0.12	10.83		
			62.50%	5.2	87	0.12	853	8.36	1.88	935	9.17	2.06	3910	0.17	9.80		
			75.00%	8.4	141	0.19	1188	11.65	2.62	1303	12.78	2.87	4600	0.24	8.45		
			87.50%	11.6	195	0.26	1496	14.67	3.30	1640	16.09	3.62	5150	0.29	7.68		
			100.00%	15.3	257	0.34	1797	17.63	3.96	1971	19.34	4.35	5670	0.35	7.01		
		15.5" x 6.3 TRIPLE-EDN (KDE)	25.00%	1.1	18	0.02	240	2.36	0.53	263	2.58	0.58	1790	0.05	13.36		
			37.50%	2.4	39	0.05	450	4.42	0.99	494	4.85	1.09	2500	0.10	11.41		
			50.00%	4.3	72	0.10	718	7.05	1.58	788	7.73	1.74	3150	0.16	9.94		
			62.50%	6.9	116	0.16	1018	9.99	2.24	1116	10.95	2.46	3730	0.23	8.79		
			75.00%	10.9	183	0.25	1386	13.59	3.06	1519	14.91	3.35	4370	0.31	7.56		
			87.50%	15.1	253	0.34	1754	17.20	3.87	1923	18.87	4.24	4870	0.39	6.94		
			100.00%	19.9	334	0.45	2122	20.82	4.68	2328	22.83	5.13	5360	0.46	6.35		
		18.5" x 6.3 DUAL-EDN (KDE)	25.00%	1.3	22	0.03	302	2.96	0.67	331	3.25	0.73	1720	0.07	13.60		
			37.50%	3.0	50	0.07	586	5.75	1.29	642	6.30	1.42	2390	0.14	11.82		
			50.00%	5.4	90	0.12	928	9.10	2.05	1018	9.98	2.24	3000	0.21	10.29		
			62.50%	8.7	147	0.20	1300	12.75	2.87	1426	13.99	3.14	3560	0.30	8.85		
			75.00%	13.1	221	0.30	1708	16.76	3.77	1873	18.38	4.13	4080	0.39	7.74		
			87.50%	18.7	314	0.42	2141	21.01	4.72	2349	23.04	5.18	4570	0.49	6.82		
			100.00%	24.6	412	0.55	2600	25.51	5.73	2851	27.97	6.29	4970	0.58	6.30		
		18.5" x 6.3 TRIPLE-EDN (KDE)	25.00%	1.6	27	0.04	405	3.97	0.89	444	4.36	0.98	1650	0.10	15.26		
			37.50%	3.7	62	0.08	704	6.90	1.55	772	7.57	1.70	2270	0.18	11.38		
			50.00%	6.6	111	0.15	1051	10.31	2.32	1152	11.31	2.54	2800	0.26	9.45		
			62.50%	10.8	182	0.24	1460	14.33	3.22	1601	15.71	3.53	3310	0.36	8.03		
			75.00%	15.9	267	0.36	1870	18.35	4.12	2051	20.12	4.52	3760	0.47	7.01		
			87.50%	22.7	381	0.51	2361	23.16	5.21	2589	25.40	5.71	4210	0.58	6.19		
			100.00%	30.5	513	0.69	2834	27.80	6.25	3108	30.49	6.85	4610	0.69	5.53		
		KDE3520-400kV	25.2V [6S]	12.5" x 4.3 DUAL-EDN (KDE)	25.00%	0.9	23	0.03	201	1.97	0.44	220	2.16	0.49	3320	0.04	8.67
					37.50%	1.6	41	0.06	325	3.19	0.72	356	3.49	0.79	4320	0.06	7.86
					50.00%	2.7	67	0.09	510	5.01	1.13	560	5.49	1.23	5290	0.09	7.61
					62.50%	4.3	109	0.15	804	7.88	1.77	881	8.65	1.94	6400	0.13	7.35
					75.00%	6.4	160	0.21	1079	10.59	2.38	1184	11.61	2.61	7430	0.18	6.73
					87.50%	8.8	221	0.30	1313	12.88	2.90	1440	14.13	3.18	8360	0.21	5.96
					100.00%	11.3	285	0.38	1619	15.88	3.57	1775	17.42	3.92	9160	0.24	5.67
				12.5" x 4.3 TRIPLE-EDN (KDE)	25.00%	1.0	24	0.03	202	1.98	0.44	221	2.17	0.49	3090	0.04	8.43
					37.50%	1.8	45	0.06	382	3.75	0.84	419	4.11	0.92	4120	0.07	8.43
					50.00%	3.1	78	0.11	603	5.92	1.33	661	6.49	1.46	5180	0.11	7.69
					62.50%	5.2	130	0.17	894	8.77	1.97	980	9.62	2.16	6260	0.16	6.87
					75.00%	7.7	194	0.26	1228	12.04	2.71	1346	13.21	2.97	7260	0.20	6.33
87.50%	10.6				266	0.36	1538	15.09	3.39	1686	16.54	3.72	8170	0.25	5.78		
100.00%	13.6				344	0.46	1857	18.22	4.10	2037	19.98	4.49	8940	0.31	5.40		
15.5" x 5.3 DUAL-EDN (KDE)	25.00%			1.5	37	0.05	408	4.00	0.90	447	4.39	0.99	2710	0.07	11.09		
	37.50%			3.3	83	0.11	782	7.67	1.72	858	8.41	1.89	3730	0.15	9.37		
	50.00%			6.1	154	0.21	1262	12.38	2.78	1384	13.58	3.05	4690	0.23	8.20		
	62.50%			10.1	255	0.34	1759	17.26	3.88	1929	18.93	4.25	5570	0.33	6.91		
	75.00%			15.3	384	0.52	2326	22.82	5.13	2551	25.02	5.62	6370	0.44	6.05		
	87.50%			21.5	541	0.72	2876	28.22	6.34	3155	30.95	6.96	7080	0.55	5.32		
	100.00%			27.6	694	0.93	3384	33.20	7.46	3711	36.41	8.18	7670	0.65	4.87		
15.5" x 5.3 TRIPLE-EDN (KDE)	25.00%			1.9	48	0.06	468	4.59	1.03	513	5.03	1.13	2610	0.11	9.82		
	37.50%			4.3	107	0.14	907	8.89	2.00	994	9.75	2.19	3580	0.20	8.47		
	50.00%			8.0	201	0.27	1463	14.35	3.23	1604	15.74	3.54	4460	0.32	7.29		
	62.50%			12.4	311	0.42	1949	19.12	4.30	2137	20.96	4.71	5160	0.42	6.26		
	75.00%			19.0	479	0.64	2576	25.27	5.68	2825	27.71	6.23	5950	0.55	5.37		
	87.50%			26.8	675	0.90	3118	30.59	6.88	3420	33.55	7.54	6540	0.68	4.62		
	100.00%			33.8	851	1.14	3561	34.94	7.85	3906	38.32	8.61	7000	0.77	4.18		
18.5" x 6.3 DUAL-EDN (KDE)	25.00%			2.3	57	0.08	631	6.19	1.39	692	6.79	1.53	2500	0.16	11.04		
	37.50%			5.2	131	0.18	1181	11.59	2.61	1296	12.71	2.86	3370	0.28	9.02		
	50.00%			9.4	236	0.32	1727	16.94	3.81	1894	18.58	4.18	4110	0.41	7.33		
	62.50%			16.3	412	0.55	2457	24.10	5.42	2694	26.43	5.94	4870	0.56	5.97		
	75.00%			23.5	592	0.79	3083	30.24	6.80	3381	33.17	7.46	5450	0.69	5.20		
	87.50%			31.1	783	1.05	3647	35.78	8.04	4000	39.24	8.82	5910	0.81	4.66		
	100.00%			39.6	999	1.34	4041	39.64	8.91	4431	43.47	9.77	6300	0.91	4.05		
KDE3520-400kV	33.6V [8S]			12.5" x 4.3 DUAL-EDN (KDE)	25.00%	1.3	42	0.06	334	3.28	0.74	366	3.60	0.81	4340	0.06	7.89
					37.50%	2.4	79	0.11	573	5.62	1.26	628	6.16	1.38	5570	0.09	7.23
					50.00%	3.9	132	0.18	881	8.64	1.94	966	9.48	2.13	6840	0.13	6.69
					62.50%	6.5	218	0.29	1287	12.62	2.84	1411	13.84	3.11	8280	0.20	5.90
					75.00%	9.4	315	0.42	1694	16.61	3.73	1858	18.22	4.09	9480	0.26	5.38
		87.50%	13.2		444	0.59	2170	21.28	4.78	2380	23.34	5.24	10690	0.34	4.89		
		100.00%	17.3		581	0.78	2616	25.65	5.77	2869	28.13	6.33	11620	0.41	4.50		
		12.5" x 4.3 TRIPLE-EDN (KDE)	25.00%	1.3	43	0.06	339	3.32	0.75	372	3.64	0.82	3930	0.06	7.82		
			37.50%	2.7	89	0.12	642	6.30	1.42	704	6.91	1.56	5330	0.12	7.18		
			50.00%	4.7	157	0.21	990	9.71	2.18	1086	10.65	2.39	6630	0.17	6.32		
			62.50%	7.8	262	0.35	1432	14.04	3.16	1570	15.40	3.47	8020	0.25	5.47		
			75.00%	11.3	379	0.51	1944	19.06	4.29	2132	20.90	4.70	9170	0.32	5.12		
			87.50%	15.8	530	0.71	2420	23.73	5.34	2654	26.02	5.86	10300	0.40	4.57		
			100.00%	20.3	682	0.92	2892	28.36	6.38	3172	31.10	7.00	11230	0.49	4.24		
		15.5" x 5.3 DUAL-EDN (KDE)	25.00%	2.2	74	0.10	690	6.77	1.52	757	7.42	1.67	3548	0.14	9.38		
			37.50%	5.0	169	0.23	1260	12.36	2.78	1382	13.56	3.05	4795	0.24	7.46		
			50.00%	9.6	321	0.43	1970	19.32	4.34	2160	21.19	4.76	5943	0.36	6.14		
			62.50%	15.3	514	0.69	2770	27.16	6.11	3038	29.79	6.70	6991	0.52	5.38		
			75.00%	22.8	782	1.05	3580	35.11	7.89	3926	38.50	8.65	7817	0.67	4.58		
			87.50%	30.7	1072	1.44	4320	42.36	9.52	4738	46.46	10.44	8625	0.81	4.03		
			100.00%	40.5	1394	1.87	4910	48.15	10.82	5385	52.81	11.87	9200	0.92	3.52		
Temperature: 75 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.																	