

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]			
KDE4215-465kV	16.8V [4S]	15.5" x 5.3 DUAL-EDN (KDE)	25.00%	2.1	35	0.05	371	3.64	0.82	407	3.99	0.90	2520	0.07	10.62
			37.50%	3.6	60	0.08	581	5.70	1.28	637	6.25	1.40	3190	0.11	9.60
			50.00%	5.4	91	0.12	815	7.99	1.80	894	8.77	1.97	3760	0.15	9.00
			62.50%	8.5	143	0.19	1162	11.40	2.56	1274	12.50	2.81	4480	0.22	8.13
			75.00%	13.1	221	0.30	1579	15.49	3.48	1731	16.98	3.82	5270	0.30	7.16
			87.50%	18.7	314	0.42	2040	20.02	4.50	2238	21.95	4.93	5930	0.40	6.50
		100.00%	24.8	416	0.56	2471	24.24	5.45	2710	26.58	5.98	6500	0.49	5.93	
		15.5" x 5.3 TRIPLE-EDN (KDE)	25.00%	2.2	37	0.05	436	4.27	0.96	478	4.69	1.05	2290	0.08	11.79
			37.50%	4.0	67	0.09	703	6.90	1.55	771	7.56	1.70	2900	0.12	10.54
			50.00%	6.7	113	0.15	1008	9.89	2.22	1106	10.85	2.44	3580	0.20	8.92
			62.50%	11.1	186	0.25	1463	14.36	3.23	1605	15.74	3.54	4310	0.29	7.86
			75.00%	16.8	283	0.38	1916	18.80	4.23	2102	20.62	4.64	5000	0.40	6.78
			87.50%	23.8	399	0.54	2395	23.50	5.28	2627	25.77	5.79	5630	0.52	6.00
		100.00%	31.1	522	0.70	2822	27.69	6.22	3095	30.36	6.83	6170	0.62	5.40	
		18.5" x 6.3 DUAL-EDN (KDE)	25.00%	2.4	40	0.05	476	4.67	1.05	522	5.12	1.15	2060	0.09	12.00
			37.50%	4.6	78	0.10	819	8.03	1.81	898	8.81	1.98	2710	0.18	10.52
			50.00%	8.3	139	0.19	1294	12.69	2.85	1419	13.92	3.13	3390	0.27	9.28
			62.50%	14.1	237	0.32	1831	17.96	4.04	2008	19.70	4.43	4090	0.39	7.74
			75.00%	21.3	358	0.48	2412	23.66	5.32	2645	25.95	5.83	4690	0.53	6.74
			87.50%	29.8	500	0.67	3001	29.44	6.62	3291	32.29	7.26	5240	0.66	6.00
100.00%	38.8	651	0.87	3470	34.04	7.65	3806	37.33	8.39	5700	0.77	5.33			
18.5" x 6.3 TRIPLE-EDN (KDE)	25.00%	2.6	43	0.06	550	5.40	1.21	603	5.92	1.33	1900	0.12	12.79		
	37.50%	5.5	92	0.12	1025	10.06	2.26	1124	11.03	2.48	2560	0.23	11.09		
	50.00%	10.5	176	0.24	1531	15.02	3.38	1679	16.48	3.70	3210	0.36	8.69		
	62.50%	17.3	290	0.39	2115	20.75	4.66	2320	22.76	5.12	3810	0.50	7.29		
	75.00%	26.1	438	0.59	2732	26.80	6.02	2996	29.39	6.61	4370	0.66	6.24		
	87.50%	36.3	610	0.82	3285	32.23	7.25	3603	35.35	7.95	4910	0.79	5.39		
100.00%	46.8	786	1.05	3837	37.64	8.46	4208	41.28	9.28	5350	0.90	4.88			
KDE4215-465kV	25.2V [6S]	12.5" x 4.3 DUAL-EDN (KDE)	25.00%	2.6	66	0.09	450	4.41	0.99	493	4.84	1.09	4910	0.08	6.86
			37.50%	4.1	104	0.14	699	6.86	1.54	767	7.52	1.69	6000	0.11	6.72
			50.00%	5.7	144	0.19	915	8.97	2.02	1003	9.84	2.21	6870	0.15	6.33
			62.50%	7.0	177	0.24	1084	10.64	2.39	1189	11.67	2.62	7510	0.17	6.11
			75.00%	9.7	245	0.33	1426	13.99	3.14	1564	15.34	3.45	8470	0.21	5.82
			87.50%	13.8	349	0.47	1852	18.16	4.08	2031	19.92	4.48	9640	0.28	5.31
		100.00%	18.0	454	0.61	2261	22.19	4.99	2480	24.33	5.47	10590	0.34	4.99	
		12.5" x 4.3 TRIPLE-EDN (KDE)	25.00%	2.7	69	0.09	456	4.47	1.01	500	4.91	1.10	4600	0.08	6.65
			37.50%	4.4	111	0.15	725	7.12	1.60	795	7.80	1.75	5630	0.12	6.56
			50.00%	6.2	156	0.21	970	9.52	2.14	1064	10.44	2.35	6490	0.16	6.22
			62.50%	8.0	200	0.27	1179	11.57	2.60	1293	12.68	2.85	7140	0.19	5.88
			75.00%	11.8	297	0.40	1548	15.18	3.41	1697	16.65	3.74	8300	0.26	5.22
			87.50%	16.5	416	0.56	2026	19.87	4.47	2222	21.79	4.90	9450	0.33	4.87
		100.00%	21.3	537	0.72	2464	24.18	5.43	2703	26.51	5.96	10380	0.41	4.59	
		15.5" x 5.3 DUAL-EDN (KDE)	25.00%	3.2	80	0.11	734	7.20	1.62	805	7.90	1.78	3480	0.14	9.13
			37.50%	5.6	142	0.19	1098	10.77	2.42	1205	11.82	2.66	4340	0.20	7.74
			50.00%	9.5	239	0.32	1644	16.13	3.63	1803	17.69	3.98	5280	0.31	6.88
			62.50%	15.8	399	0.54	2378	23.33	5.24	2608	25.58	5.75	6300	0.44	5.96
			75.00%	23.7	597	0.80	3124	30.64	6.89	3426	33.61	7.56	7210	0.59	5.23
			87.50%	34.9	879	1.18	3931	38.56	8.67	4311	42.29	9.51	8160	0.76	4.47
		100.00%	44.9	1131	1.52	4691	46.02	10.35	5145	50.47	11.35	8800	0.90	4.15	
		15.5" x 5.3 TRIPLE-EDN (KDE)	25.00%	3.4	85	0.11	848	8.32	1.87	930	9.12	2.05	3110	0.15	9.92
			37.50%	6.8	170	0.23	1314	12.89	2.90	1441	14.13	3.18	4050	0.26	7.71
			50.00%	12.1	304	0.41	1929	18.92	4.25	2115	20.75	4.67	5030	0.41	6.34
62.50%	20.0		504	0.68	2687	26.36	5.93	2946	28.90	6.50	5950	0.57	5.33		
75.00%	29.5		744	1.00	3522	34.55	7.77	3863	37.89	8.52	6790	0.74	4.74		
87.50%	40.9		1029	1.38	4167	40.87	9.19	4569	44.83	10.08	7560	0.91	4.05		
100.00%	53.6	1351	1.81	4867	47.74	10.73	5337	52.36	11.77	8170	1.06	3.60			
18.5" x 6.3 DUAL-EDN (KDE)	25.00%	3.7	94	0.13	960	9.41	2.12	1052	10.32	2.32	2850	0.19	10.24		
	37.50%	8.2	205	0.28	1627	15.96	3.59	1784	17.51	3.94	3810	0.33	7.92		
	50.00%	15.4	388	0.52	2485	24.38	5.48	2726	26.74	6.01	4730	0.52	6.40		
	62.50%	25.1	633	0.85	3375	33.11	7.44	3702	36.31	8.16	5530	0.72	5.33		
	75.00%	36.9	930	1.25	4250	41.69	9.37	4661	45.72	10.28	6220	0.90	4.57		
	87.50%	49.6	1249	1.68	5030	49.34	11.09	5516	54.11	12.17	6840	1.09	4.03		
100.00%	62.6	1576	2.11	5608	55.01	12.37	6150	60.33	13.56	7230	1.21	3.56			
Temperature: 68 deg F   Elevation: 3500'   Relative Humidity: 40%   Pressure: 1010 hPA															
Tested on DC Power Supply with KDE-UAS125UVC on firmware version: D460337															
Motor Edition Selected   Synchronous Rectification: Deactivated															
*Calculated thrust at sealevel for that given RPM. Power requirements will vary.															