

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]					
KDE2814-775kv	12.6V [3S]	12.5" x 4.3 DUAL-EDN (KDE)	25.00%	1.5	19	0.02	163	1.60	0.36	179	1.76	0.39	3160	0.03	8.82		
			37.50%	2.5	32	0.04	264	2.59	0.58	289	2.84	0.64	3960	0.05	8.31		
			50.00%	3.8	47	0.06	372	3.65	0.82	408	4.00	0.90	4680	0.06	7.86		
			62.50%	5.7	72	0.10	524	5.14	1.16	575	5.64	1.27	5500	0.09	7.28		
			75.00%	8.8	111	0.15	736	7.23	1.62	808	7.92	1.78	6480	0.12	6.66		
			87.50%	12.6	159	0.21	947	9.29	2.09	1039	10.19	2.29	7350	0.16	5.97		
		100.00%	16.6	209	0.28	1182	11.60	2.61	1296	12.72	2.86	8100	0.19	5.66			
		12.5" x 4.3 TRIPLE-EDN (KDE)	25.00%	1.5	19	0.03	171	1.68	0.38	187	1.84	0.41	2900	0.04	8.86		
			37.50%	2.7	34	0.05	281	2.76	0.62	308	3.03	0.68	3670	0.06	8.27		
			50.00%	4.3	54	0.07	433	4.24	0.95	474	4.65	1.05	4460	0.08	7.95		
			62.50%	6.8	86	0.12	615	6.04	1.36	675	6.62	1.49	5310	0.12	7.15		
			75.00%	10.6	133	0.18	857	8.41	1.89	940	9.22	2.07	6230	0.15	6.45		
			87.50%	15.1	190	0.25	1118	10.97	2.47	1226	12.03	2.70	7060	0.19	5.89		
		100.00%	19.7	248	0.33	1339	13.14	2.95	1469	14.41	3.24	7750	0.23	5.40			
		15.5" x 5.3 DUAL-EDN (KDE)	25.00%	1.9	24	0.03	297	2.91	0.66	326	3.20	0.72	2180	0.05	12.41		
			37.50%	4.0	50	0.07	522	5.12	1.15	572	5.61	1.26	2970	0.10	10.43		
			50.00%	7.4	94	0.13	817	8.02	1.80	896	8.79	1.98	3730	0.15	8.72		
			62.50%	12.5	158	0.21	1122	11.00	2.47	1230	12.07	2.71	4430	0.22	7.10		
			75.00%	18.5	233	0.31	1444	14.17	3.19	1584	15.54	3.49	5030	0.28	6.19		
			87.50%	25.8	324	0.44	1770	17.37	3.90	1942	19.05	4.28	5570	0.35	5.46		
		100.00%	32.9	415	0.56	2048	20.09	4.52	2246	22.03	4.95	6000	0.39	4.94			
		KDE2814-775kv	16.8V [4S]	12.5" x 4.3 DUAL-EDN (KDE)	25.00%	2.0	29	0.04	259	2.54	0.57	284	2.79	0.63	3930	0.05	8.88
					37.50%	3.5	51	0.07	435	4.27	0.96	477	4.68	1.05	4970	0.07	8.49
					50.00%	5.5	81	0.11	632	6.20	1.39	693	6.80	1.53	5930	0.10	7.80
62.50%	8.9				131	0.18	912	8.94	2.01	1000	9.81	2.21	7090	0.15	6.96		
75.00%	13.4				198	0.27	1237	12.14	2.73	1357	13.31	2.99	8210	0.20	6.25		
87.50%	18.9				279	0.37	1589	15.59	3.50	1743	17.09	3.84	9220	0.26	5.70		
100.00%	24.9			368	0.49	1909	18.73	4.21	2093	20.54	4.62	10080	0.31	5.18			
12.5" x 4.3 TRIPLE-EDN (KDE)	25.00%			2.1	31	0.04	284	2.79	0.63	312	3.06	0.69	3650	0.05	9.10		
	37.50%			3.8	56	0.08	457	4.49	1.01	502	4.92	1.11	4620	0.08	8.11		
	50.00%			6.5	96	0.13	710	6.97	1.57	779	7.64	1.72	5690	0.12	7.39		
	62.50%			10.7	159	0.21	1042	10.22	2.30	1143	11.21	2.52	6820	0.18	6.56		
	75.00%			15.9	236	0.32	1389	13.62	3.06	1523	14.94	3.36	7860	0.23	5.89		
	87.50%			22.2	329	0.44	1762	17.29	3.89	1933	18.96	4.26	8800	0.29	5.35		
100.00%	28.8			426	0.57	2099	20.59	4.63	2302	22.58	5.08	9590	0.35	4.93			
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.																	