

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]			
KDE4012-400kV	16.8V [4S]	15.5" x 5.3 DUAL-EDN (KDE)	25.00%	1.0	17	0.02	209	2.06	0.46	230	2.25	0.51	1930	0.05	12.22
			37.50%	1.9	32	0.04	362	3.55	0.80	397	3.89	0.88	2540	0.08	11.40
			50.00%	3.1	52	0.07	534	5.24	1.18	586	5.75	1.29	3140	0.11	10.26
			62.50%	4.7	79	0.11	746	7.32	1.65	819	8.03	1.81	3710	0.15	9.39
			75.00%	7.2	121	0.16	1046	10.26	2.31	1147	11.26	2.53	4330	0.20	8.61
			87.50%	10.0	168	0.23	1322	12.97	2.92	1450	14.22	3.20	4870	0.26	7.88
		100.00%	12.7	214	0.29	1581	15.51	3.49	1734	17.01	3.82	5310	0.31	7.40	
		15.5" x 6.3 TRIPLE-EDN (KDE)	25.00%	1.1	19	0.03	243	2.38	0.53	266	2.61	0.59	1790	0.06	13.00
			37.50%	2.3	38	0.05	438	4.30	0.97	481	4.72	1.06	2420	0.11	11.55
			50.00%	3.9	66	0.09	630	6.18	1.39	691	6.78	1.52	3010	0.15	9.62
			62.50%	6.2	103	0.14	894	8.77	1.97	981	9.62	2.16	3570	0.21	8.64
			75.00%	9.2	155	0.21	1231	12.07	2.71	1350	13.24	2.98	4140	0.28	7.94
			87.50%	12.7	213	0.29	1582	15.52	3.49	1735	17.02	3.83	4630	0.34	7.43
		100.00%	16.2	272	0.37	1822	17.88	4.02	1999	19.61	4.41	5030	0.40	6.69	
		18.5" x 6.3 DUAL-EDN (KDE)	25.00%	1.3	21	0.03	343	3.37	0.76	377	3.69	0.83	1660	0.10	16.35
			37.50%	2.7	45	0.06	604	5.92	1.33	662	6.50	1.46	2290	0.15	13.51
			50.00%	4.7	79	0.11	941	9.24	2.08	1032	10.13	2.28	2860	0.19	11.85
			62.50%	7.6	128	0.17	1217	11.94	2.68	1335	13.10	2.94	3380	0.29	9.51
			75.00%	11.5	193	0.26	1606	15.75	3.54	1761	17.27	3.88	3890	0.38	8.33
			87.50%	15.6	263	0.35	2030	19.92	4.48	2227	21.84	4.91	4350	0.43	7.73
100.00%	19.9	334	0.45	2417	23.71	5.33	2650	26.00	5.84	4690	0.53	7.23			
18.5" x 6.3 TRIPLE-EDN (KDE)	25.00%	1.5	25	0.03	381	3.74	0.84	418	4.10	0.92	1580	0.11	15.43		
	37.50%	3.3	55	0.07	665	6.52	1.47	729	7.15	1.61	2160	0.18	12.17		
	50.00%	5.9	99	0.13	976	9.58	2.15	1071	10.50	2.36	2700	0.23	9.88		
	62.50%	9.2	154	0.21	1380	13.54	3.04	1513	14.84	3.34	3160	0.35	8.96		
	75.00%	13.8	233	0.31	1822	17.87	4.02	1998	19.60	4.41	3610	0.46	7.83		
	87.50%	19.1	320	0.43	2239	21.97	4.94	2456	24.09	5.42	4020	0.53	6.99		
100.00%	24.1	405	0.54	2651	26.01	5.85	2908	28.52	6.41	4350	0.64	6.55			
KDE4012-400kV	25.2V [6S]	12.5" x 4.3 DUAL-EDN (KDE)	25.00%	1.3	32	0.04	264	2.59	0.58	289	2.84	0.64	3770	0.05	8.20
			37.50%	2.1	52	0.07	394	3.86	0.87	432	4.23	0.95	4690	0.07	7.51
			50.00%	2.8	70	0.09	526	5.16	1.16	577	5.66	1.27	5300	0.08	7.53
			62.50%	3.7	94	0.13	677	6.64	1.49	742	7.28	1.64	5990	0.11	7.20
			75.00%	5.3	134	0.18	893	8.76	1.97	979	9.60	2.16	6900	0.14	6.65
			87.50%	7.8	196	0.26	1155	11.33	2.55	1267	12.43	2.79	7940	0.18	5.88
		100.00%	9.7	243	0.33	1406	13.79	3.10	1542	15.12	3.40	8640	0.22	5.78	
		12.5" x 4.3 TRIPLE-EDN (KDE)	25.00%	1.3	33	0.04	263	2.58	0.58	288	2.83	0.64	3490	0.05	7.88
			37.50%	2.2	55	0.07	408	4.00	0.90	447	4.39	0.99	4320	0.08	7.45
			50.00%	3.2	80	0.11	591	5.80	1.30	648	6.36	1.43	5020	0.11	7.39
			62.50%	4.5	114	0.15	748	7.34	1.65	820	8.05	1.81	5800	0.14	6.59
			75.00%	6.6	166	0.22	1004	9.85	2.21	1101	10.80	2.43	6710	0.18	6.06
			87.50%	9.5	239	0.32	1371	13.45	3.02	1503	14.74	3.31	7700	0.24	5.72
		100.00%	11.9	299	0.40	1634	16.03	3.60	1792	17.58	3.95	8360	0.28	5.47	
		15.5" x 5.3 DUAL-EDN (KDE)	25.00%	1.6	39	0.05	406	3.98	0.90	445	4.37	0.98	2710	0.08	10.33
			37.50%	3.0	76	0.10	729	7.15	1.61	800	7.84	1.76	3570	0.14	9.58
			50.00%	5.3	133	0.18	1093	10.72	2.41	1198	11.76	2.64	4380	0.21	8.23
			62.50%	8.4	213	0.29	1552	15.23	3.42	1702	16.70	3.75	5200	0.30	7.30
			75.00%	12.1	306	0.41	1982	19.44	4.37	2173	21.32	4.79	5910	0.38	6.48
			87.50%	17.0	428	0.57	2518	24.71	5.55	2762	27.09	6.09	6590	0.48	5.89
100.00%	21.7	546	0.73	2955	28.99	6.52	3240	31.79	7.15	7160	0.56	5.41			
15.5" x 5.3 TRIPLE-EDN (KDE)	25.00%	1.8	46	0.06	466	4.57	1.03	511	5.01	1.13	2540	0.11	10.15		
	37.50%	3.8	95	0.13	870	8.54	1.92	954	9.36	2.10	3390	0.18	9.13		
	50.00%	6.6	167	0.22	1318	12.93	2.91	1445	14.18	3.19	4180	0.26	7.88		
	62.50%	10.6	266	0.36	1766	17.32	3.89	1936	18.99	4.27	4930	0.38	6.64		
	75.00%	15.3	386	0.52	2315	22.71	5.11	2539	24.90	5.60	5600	0.48	6.00		
	87.50%	20.9	527	0.71	2818	27.65	6.22	3091	30.32	6.82	6180	0.60	5.34		
100.00%	26.7	672	0.90	3282	32.20	7.24	3600	35.31	7.94	6690	0.70	4.89			
18.5" x 6.3 DUAL-EDN (KDE)	25.00%	2.1	53	0.07	522	5.12	1.15	572	5.62	1.26	2360	0.15	9.91		
	37.50%	4.5	113	0.15	1064	10.44	2.35	1167	11.45	2.57	3170	0.25	9.44		
	50.00%	8.0	201	0.27	1605	15.75	3.54	1760	17.27	3.88	3890	0.37	7.97		
	62.50%	13.2	334	0.45	2263	22.20	4.99	2482	24.35	5.47	4620	0.48	6.78		
	75.00%	19.6	494	0.66	2798	27.45	6.17	3069	30.11	6.77	5200	0.62	5.66		
	87.50%	25.9	652	0.87	3446	33.80	7.60	3779	37.07	8.33	5710	0.76	5.28		
100.00%	32.2	812	1.09	3959	38.84	8.73	4341	42.59	9.57	6110	0.87	4.87			
KDE4012-400kV	33.6V [8S]	12.5" x 4.3 DUAL-EDN (KDE)	25.00%	1.7	57	0.08	399	3.91	0.88	437	4.29	0.96	4750	0.08	6.98
			37.50%	2.7	91	0.12	624	6.12	1.38	684	6.71	1.51	5800	0.11	6.87
			50.00%	3.8	127	0.17	849	8.33	1.87	931	9.13	2.05	6590	0.13	6.68
			62.50%	5.7	193	0.26	1132	11.10	2.50	1241	12.17	2.74	7770	0.18	5.88
			75.00%	8.2	275	0.37	1497	14.68	3.30	1642	16.10	3.62	8860	0.24	5.44
			87.50%	11.3	379	0.51	1924	18.88	4.24	2110	20.70	4.65	9960	0.30	5.08
		100.00%	14.4	482	0.65	2239	21.96	4.94	2455	24.08	5.41	10840	0.36	4.64	
		12.5" x 4.3 TRIPLE-EDN (KDE)	25.00%	1.8	60	0.08	450	4.42	0.99	494	4.84	1.09	4400	0.08	7.44
			37.50%	2.9	96	0.13	669	6.56	1.48	734	7.20	1.62	5320	0.11	6.95
			50.00%	4.4	147	0.20	902	8.85	1.99	989	9.70	2.18	6280	0.16	6.15
			62.50%	7.0	234	0.31	1306	12.81	2.88	1432	14.05	3.16	7480	0.22	5.59
			75.00%	10.2	342	0.46	1750	17.17	3.86	1919	18.83	4.23	8640	0.29	5.12
87.50%	13.7		461	0.62	2154	21.14	4.75	2363	23.18	5.21	9620	0.37	4.67		
100.00%	17.3	580	0.78	2543	24.95	5.61	2789	27.36	6.15	10460	0.43	4.38			
15.5" x 5.3 DUAL-EDN (KDE)	25.00%	2.2	72	0.10	705	6.92	1.56	773	7.59	1.71	3410	0.14	9.76		
	37.50%	4.4	148	0.20	1187	11.64	2.62	1301	12.77	2.87	4500	0.23	8.03		
	50.00%	7.6	256	0.34	1757	17.24	3.87	1927	18.90	4.25	5500	0.31	6.87		
	62.50%	12.0	402	0.54	2363	23.18	5.21	2591	25.42	5.71	6340	0.45	5.88		
	75.00%	18.8	632	0.85	3212	31.51	7.08	3522	34.55	7.77	7430	0.60	5.08		
	87.50%	25.3	848	1.14	3862	37.88	8.52	4235	41.54	9.34	8130	0.74	4.55		
100.00%	31.9	1073	1.44	4491	44.05	9.90	4925	48.31	10.86	8730	0.86	4.19			
Temperature: 68 deg F Elevation: 3500' Relative Humidity: 40% Pressure: 1010 hPa															
Tested on DC Power Supply with KDE-UAS125UVCC on firmware version: D460339															
Motor Edition Selected Synchronous Rectification: Deactivated															
*Calculated thrust at sealevel for that given RPM. Power requirements will vary.															