

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]			
KDE13218-105KV	25.2V (6S)	35.5" x 12.1 DUAL-EDN (KDE)	25.00%	3.1	79	0.11	1055	10.35	2.33	1157	11.35	2.55	850	0.41	13.33
			37.50%	5.5	138	0.19	1719	16.87	3.79	1886	18.50	4.16	1110	0.69	12.45
			50.00%	8.6	216	0.29	2470	24.23	5.45	2709	26.58	5.97	1350	1.00	11.44
			62.50%	13.6	341	0.46	3546	34.79	7.82	3889	38.15	8.58	1640	1.43	10.38
			75.00%	20.1	506	0.68	4878	47.85	10.76	5350	52.48	11.80	1910	1.99	9.64
			87.50%	29.6	746	1.00	6588	64.63	14.53	7225	70.88	15.93	2190	2.65	8.83
	100.00%	38.5	971	1.30	7949	77.98	17.53	8717	85.52	19.22	2410	3.21	8.19		
	33.6V (8S)	35.5" x 12.1 DUAL-EDN (KDE)	25.00%	4.2	141	0.19	1622	15.91	3.58	1779	17.45	3.93	1132	0.62	11.50
			37.50%	7.7	259	0.35	2764	27.11	6.09	3031	29.73	6.68	1450	1.04	10.67
			50.00%	12.9	434	0.58	4231	41.51	9.33	4640	45.52	10.23	1760	1.68	9.75
			62.50%	21.0	706	0.95	6107	59.91	13.47	6698	65.70	14.77	2120	2.41	8.66
			75.00%	31.6	1061	1.42	8319	81.61	18.35	9124	89.50	20.12	2450	3.31	7.84
			87.50%	44.3	1487	1.99	10938	107.30	24.12	11996	117.68	26.45	2760	4.25	7.35
	100.00%	56.9	1913	2.57	12888	126.43	28.42	14134	138.65	31.17	3020	5.08	6.74		
	42.0V (10S)	35.5" x 12.1 DUAL-EDN (KDE)	25.00%	5.3	223	0.30	2315	22.71	5.11	2539	24.91	5.60	1320	0.95	10.36
			37.50%	10.0	420	0.56	3993	39.17	8.81	4379	42.96	9.66	1720	1.59	9.50
			50.00%	17.8	748	1.00	6325	62.05	13.95	6937	68.05	15.30	2140	2.50	8.46
			62.50%	28.5	1197	1.61	8999	88.28	19.85	9870	96.82	21.77	2540	3.53	7.52
			75.00%	42.2	1772	2.38	12071	118.42	26.62	13238	129.87	29.19	2930	4.66	6.81
			87.50%	59.3	2491	3.34	15095	148.09	33.29	16555	162.40	36.51	3280	6.01	6.06
	100.00%	77.2	3242	4.35	18128	177.84	39.98	19881	195.03	43.85	3570	7.19	5.59		
	50.4V (12S)	35.5" x 12.1 DUAL-EDN (KDE)	25.00%	6.6	334	0.45	3273	32.11	7.22	3589	35.21	7.92	1540	1.29	9.81
			37.50%	12.9	650	0.87	5636	55.29	12.43	6181	60.64	13.63	2020	2.20	8.67
			50.00%	22.8	1148	1.54	8585	84.22	18.93	9415	92.36	20.76	2490	3.40	7.48
			62.50%	36.9	1857	2.49	12603	123.64	27.80	13822	135.59	30.48	2950	4.87	6.79
			75.00%	55.3	2789	3.74	16663	163.47	36.75	18275	179.27	40.30	3370	6.39	5.97
			87.50%	77.0	3881	5.20	20619	202.27	45.47	22613	221.83	49.87	3760	8.16	5.31
	100.00%	96.8	4879	6.54	23980	235.16	52.87	26299	257.90	57.98	4080	9.48	4.91		
	58.8V (14S)	35.5" x 12.1 DUAL-EDN (KDE)	25.00%	7.8	459	0.62	4013	39.35	8.85	4401	43.15	9.70	1730	1.63	8.74
			37.50%	15.9	935	1.25	7125	69.87	15.71	7814	76.63	17.23	2230	2.84	7.62
			50.00%	27.5	1617	2.17	10590	103.85	23.35	11614	113.89	25.61	2800	4.26	6.55
			62.50%	44.6	2622	3.51	15310	150.14	33.75	16790	164.66	37.01	3300	5.96	5.84
			75.00%	66.2	3893	5.22	20262	198.70	44.67	22221	217.91	48.99	3750	7.98	5.20
			87.50%	94.3	5545	7.43	25177	246.90	55.51	27611	270.77	60.88	4190	10.01	4.54
	100.00%	120.3	7074	9.49	29419	288.50	64.86	32263	316.39	71.13	4520	11.85	4.16		

Temperature: 68 deg F | Elevation: 3500' | Relative Humidity: 40% | Pressure: 1010 hPA

Tested on DC Power Supply with KDE-UAS125UVC on firmware version: D460334

Motor Edition Selected | Synchronous Rectification: Deactivated

\*Calculated thrust at sealevel for that given RPM. Power requirements will vary.