MOTOR VERSION	VOLTAGE LIPO [V]	PROPELLER SIZE	THROTTLE RANGE	AMPERAGE [A]	POWER [W]	R INPUT	THI [g]	RUST OUTF	PUT [Ib]	EST. THE	RUST AT SE [N]	ALEVEL*	RPM [rev/min]	TORQUE [Nm]	Efficiency [g/W]
KDE10218- 105kV	LII O (V)		25.00% 37.50%	2.0	51 92	0.07	718 1220	7.04 11.97	1.58	788 1338	7.73 13.12	1.74	970 1290	0.26	14.04
	25.2V [6S]	30.5" x 9.7 DUAL-EDN (KDE)	50.00% 62.50%	6.6 10.3	166 260	0.22 0.35	1992 2789	19.54 27.36	4.39 6.15	2184 3059	21.43 30.01	4.82 6.75	1640 1970	0.71 1.02	12.03 10.75
			75.00% 87.50%	15.9 22.0	399 555	0.54 0.74	3843 4861	37.70 47.68	8.48 10.72	4215 5331	41.35 52.29	9.29 11.76	2300 2580	1.74	9.62 8.76
		30.5" x 9.7 TRIPLE-EDN (KDE)	100.00% 25.00%	28.9	728 56	0.98	5932 903	58.19 8.86	13.08	6506 990	63.82 9.71	14.35 2.18	2840 930	0.33	8.15 15.99
			37.50% 50.00% 62.50%	4.5 8.1 12.7	112 203 321	0.15 0.27 0.43	1510 2311 3202	14.81 22.67 31.41	3.33 5.10 7.06	1656 2534 3511	16.24 24.86 34.44	3.65 5.59 7.74	1260 1600 1910	0.58 0.92 1.26	13.46 11.39 9.99
			75.00% 87.50%	19.6 27.3	495 689	0.43 0.66 0.92	4425 5481	43.41 53.77	9.76 12.09	4853 6011	47.60 58.97	10.70 13.26	2230 2490	1.74	8.94 7.96
			100.00%	35.9	904	1.21	6649 1051	65.23	14.66	7292 1153	71.54	16.08	2730 900	2.66	7.35 15.11
		35.5" x 12.1 DUAL-EDN (KDE)	37.50% 50.00%	5.6 10.1	141 254	0.19 0.34	1866 3011	18.30 29.54	4.11 6.64	2046 3302	20.07 32.39	4.51 7.28	1220 1530	0.77 1.23	13.20 11.87
			62.50% 75.00%	16.5 25.4	417 639	0.56 0.86	4332 5769	42.50 56.60	9.55 12.72	4751 6327	46.61 62.07	10.48 13.95	1840 2120	1.74 2.32	10.40 9.03
			87.50% 100.00%	34.8 45.9	878 1156	1.18 1.55	7137 8773	70.01 86.06	15.74 19.35	7827 9621	76.78 94.38	17.26 21.22	2370 2590	2.95 3.54	8.13 7.59
KDE10218- 105kV	33.6V [85]	30.5" x 9.7 DUAL-EDN (KDE)	25.00% 37.50%	2.7 5.6	91 187	0.12 0.25	1115 2107	10.94 20.67	2.46 4.65	1223 2310	12.00 22.66	2.70 5.10	1250 1690	0.40 0.76	12.21 11.26
			50.00% 62.50%	10.0 15.9	335 536	0.45	3296 4683	32.34 45.94	7.27 10.33	3615 5136	35.46 50.38	7.97	2120 2530	1.17	9.84 8.74
			75.00% 87.50% 100.00%	23.9 33.4 43.8	803 1123 1470	1.08 1.51 1.97	6297 8041 9485	61.78 78.88 93.04	13.89 17.73 20.92	6906 8818 10402	67.75 86.51 102.04	15.23 19.45 22.94	2900 3270 3580	2.23 2.83 3.35	7.84 7.16 6.45
			25.00% 37.50%	3.2 6.8	107	0.14	1344 2463	13.19 24.16	2.96 5.43	1474 2701	14.46	3.25 5.96	1200 1640	0.52	12.58
		30.5" x 9.7 TRIPLE-EDN (KDE)	50.00%	11.9	398 666	0.53	3785 5552	37.13 54.46	8.35 12.24	4151	40.72	9.15 13.43	2040	1.43	9.51 8.33
			75.00% 87.50%	29.7 41.7	999 1399	1.34 1.88	7076 9101	69.42 89.28	15.61 20.07	7760 9981	76.13 97.92	17.11 22.01	2790 3120	2.78 3.50	7.09 6.50
			100.00% 25.00%	53.6 3.9	1802 131	2.42 0.18	10572 1633	103.71 16.02	23.32 3.60	11595 1791	113.74 17.57	25.57 3.95	3420 1160	4.17 0.71	5.87 12.49
		35.5" x 12.1 DUAL-EDN (KDE)	37.50% 50.00%	8.6 15.3	290 515	0.39 0.69	3138 4894	30.79 48.01	6.92 10.79	3442 5367	33.76 52.65	7.59 11.84	1580 1950	1.30 2.00	10.84 9.50
			62.50% 75.00%	26.2 37.7	881 1266	1.18	7118 9087	69.83 89.15	15.70 20.04	7807 9966	76.58 97.76	17.22 21.98	2320 2640	2.84 3.68	8.08 7.18
			87.50% 100.00%	52.3 69.7	1758 2341	2.36 3.14	11314	110.99	24.95	12408	121.72	27.36 32.46	2940 3200	4.52 5.37	6.44 5.73
		27.5 x 8.9 DUAL EDN (KDE)	25.00% 37.50% 50.00%	3.0 5.9 10.1	127 248 423	0.17 0.33 0.57	1316 2372 3646	12.91 23.27 35.77	2.90 5.23 8.04	1443 2602 3999	14.16 25.52 39.23	3.18 5.74 8.82	1620 2150 2660	0.43 0.74 1.14	10.37 9.57 8.63
			50.00% 62.50% 75.00%	16.4 25.0	690 1049	0.57	5288 7074	51.88 69.40	11.66 15.60	5800 7758	56.89 76.11	12.79 17.11	3180 3680	1.14 1.68 2.22	7.67 6.74
			87.50% 100.00%	34.2 44.1	1434 1852	1.92	8930 10605	87.60 104.04	19.69	9793 11631	96.07 114.10	21.60	4120 4490	2.79	6.23 5.73
KDE10218- 105kV	42.0V [10S]		25.00% 37.50%	3.4 7.1	144 299	0.19 0.40	1349 2645	13.23 25.95	2.98 5.83	1480 2901	14.51 28.46	3.26 6.40	1520 2060	0.54 1.00	9.39 8.85
		27.5" x 8.9 TRIPLE-EDN (KDE)	50.00% 62.50%	12.8 21.3	536 896	0.72 1.20	4233 6184	41.53 60.67	9.34 13.64	4643 6782	45.55 66.53	10.24 14.96	2570 3070	1.56 2.23	7.90 6.90
			75.00% 87.50%	31.6 43.2	1328 1814	1.78 2.43	8265 9988	81.08 97.98	18.23 22.03	9064 10953	88.92 107.45	19.99 24.16	3520 3940	2.96 3.70	6.23 5.50
			100.00% 25.00%	56.5 3.5	2374 149	3.18 0.20	12056 1693	118.27 16.61	26.59 3.73	13222 1857	129.71 18.21	29.16 4.09	4280 1510	4.42 0.60	5.08 11.39
		30.5" x 9.7 DUAL-EDN (KDE)	37.50% 50.00%	7.6 13.6	317 569	0.43 0.76	3113 4805	30.54 47.14	6.87 10.60	3414 5270	33.49 51.70	7.53 11.62	2040 2550	1.09 1.66	9.82 8.44
			62.50% 75.00%	22.3 33.4	935 1404	1.25	6832 9017	67.02 88.46	15.07 19.89	7492 9889	73.50 97.01	16.52 21.81	3040 3480	3.20	7.30 6.42
			87.50% 100.00%	46.4 59.8 4.2	1949 2511 178	2.61 3.37 0.24	11307 13363 1972	110.92 131.09 19.34	24.94 29.47 4.35	12400 14655 2162	121.65 143.76 21.21	27.35 32.32 4.77	3870 4220 1470	3.97 4.72 0.78	5.80 5.32 11.10
		30.5" x 9.7 TRIPLE-EDN (KDE)	25.00% 37.50% 50.00%	9.2 17.0	388 715	0.52	3520 5548	34.53 54.42	7.76 12.23	3860 6084	37.87 59.68	8.51 13.42	1980 2470	1.39	9.08 7.76
			62.50% 75.00%	27.3 41.8	1147 1756	1.54	7788 10308	76.40 101.12	17.17	8540 11305	83.78 110.90	18.83 24.93	2920 3330	3.03 4.04	6.79 5.87
			87.50% 100.00%	57.7 73.9	2425 3103	3.25 4.16	13093 14981	128.44 146.97	28.87 33.04	14359 16430	140.86 161.18	31.67 36.23	3710 4030	5.12	5.40 4.83
		35.5" x 12.1 DUAL-EDN (KDE)	25.00% 37.50%	5.3 11.8	222 496	0.30 0.67	2616 4723	25.67 46.34	5.77 10.42	2869 5180	28.15 50.82	6.33 11.42	1410 1900	1.03 1.86	11.78 9.51
			50.00% 62.50%	22.2 35.6	932 1496	1.25 2.01	7360 9933	72.20 97.45	16.23 21.91	8072 10894	79.18 106.87	17.80 24.02	2350 2750	2.87 3.98	7.89 6.64
			75.00% 87.50%	53.2 74.8	2234 3143	3.00 4.21	12771 15649	125.29 153.52	28.17 34.51	14006 17162	137.40 168.36	30.89 37.85	3110 3430	5.11 6.39	5.72 4.98
KDE10218- 105kV		27.5 x 8.9 DUAL- EDN (KDE)	100.00% 25.00%	96.2 3.6	4041 182	5.42 0.24 0.50	18071 1728	177.28	39.85 3.81 7.13	19818 1895	194.42	43.71	3680 1870	7.30 0.55	9.47
			37.50% 50.00% 62.50%	7.4 13.2 21.7	370 664 1093	0.50 0.89 1.47	3231 4960 7016	31.70 48.65 68.83	7.13 10.94 15.47	3544 5439 7695	34.77 53.36 75.49	7.82 12.00 16.97	2490 3110 3710	1.01 1.58 2.27	8.72 7.47 6.42
			75.00% 87.50%	31.6 44.3	1591 2233	2.13	9354 11697	91.76 114.75	20.63 25.80	10258 12828	100.63 125.84	22.62 28.29	4240 4730	2.98	5.88 5.24
			100.00%	57.4	2891 217	3.88	14010	137.44	30.90 4.34	15364 2160	150.72 21.18	33.88 4.76	5150 1790	4.49	4.85 9.06
		27.5" x 8.9 TRIPLE-EDN (KDE)	37.50% 50.00%	9.3 16.7	467 840	0.63 1.13	3816 5837	37.43 57.26	8.42 12.87	4185 6402	41.05 62.80	9.23 14.12	2420 2990	1.41 2.09	8.18 6.95
			62.50% 75.00%	26.7 40.6	1346 2048	1.80 2.75	8325 11057	81.67 108.47	18.36 24.39	9130 12126	89.57 118.96	20.14 26.74	3550 4050	2.94 3.95	6.19 5.40
			87.50% 100.00%	56.7 73.0	2856 3680	3.83 4.93	13538 15965	132.81 156.61	29.86 35.21	14847 17508	145.65 171.75	32.74 38.61	4530 4900	4.97 5.70	4.74 4.34
		30.5" x 9.7 DUAL-EDN (KDE)	25.00% 37.50%	4.5 9.8	226 494	0.30 0.66	2305 4345	22.61 42.62	5.08 9.58	2528 4765	24.80 46.74	5.58 10.51	1780 2400	0.81 1.50	10.19 8.80
	50.4V [12S]		50.00% 62.50% 75.00%	17.9 28.5 43.0	901 1437 2166	1.21 1.93 2.90	9181 12126	65.39 90.07 118.96	14.70 20.25 26.74	7310 10069 13298	71.71 98.77 130.46	16.12 22.21 29.33	2960 3500 4000	2.30 3.23 4.32	7.40 6.39 5.60
			75.00% 87.50% 100.00%	43.0 61.5 78.3	3100 3945	4.16 5.29	12126 15326 17927	118.96 150.35 175.86	33.80 39.54	16807 19660	130.46 164.88 192.87	37.07 43.36	4000 4450 4810	5.31 6.26	4.94 4.54
		30.5" x 9.7 TRIPLE-EDN (KDE)	25.00% 37.50%	5.5 12.2	277 612	0.37	2688 4960	26.37 48.65	5.93 10.94	2948 5439	28.92	6.50 12.00	1720 2320	1.09	9.70 8.10
			50.00% 62.50%	22.1 36.3	1112 1832	1.49 2.46	7636 10595	74.91 103.93	16.84 23.37	8375 11619	82.16 113.98	18.47 25.62	2840 3380	2.89 4.09	6.87 5.78
			75.00% 87.50%	54.3 75.8	2736 3818	3.67 5.12	13869 16886	136.05 165.65	30.59 37.24	15210 18518	149.21 181.67	33.54 40.84	3820 4220	5.29 6.47	5.07 4.42
			100.00% 25.00%	100.1 6.9	5044 347	6.76 0.47	19186 3738	188.21 36.67	42.31 8.24	21041 4100	206.41 40.22	46.40 9.04	4530 1650	7.43 1.43	3.80 10.77
		35.5" x 12.1	37.50% 50.00% 62.50%	15.6 27.6 46.8	784 1392 2358	1.05 1.87 3.16	6562 9635 13156	64.37 94.52 129.06	14.47 21.25 29.01	7196 10566 14428	70.59 103.66 141.54	15.87 23.30 31.82	2220 2690 3140	2.53 3.80 5.27	8.37 6.92 5.58
		DUAL-EDN (KDE)	75.00%	70.5 101.3	3551 5106	4.76 6.85	16615 19719	163.00 193.45	36.64 43.49	18222 21626	141.54 178.76 212.15	40.19 47.69	3530 3810	5.27 6.74 7.97	4.68 3.86
			87.50% 100.00% 25.00%	4.4	258	0.85 Will ex	19/19 ceed equip 2328	193.45 ment limit 22.84	43.49 s. Limit th 5.13	21626 rottle to av 2553	212.15 roid damag 25.05	47.69 ing equipr 5.63	3810 nent. 2140	0.74	9.04
KDE10218- 105kV	58.8V [14S]	27.5 x 8.9 DUAL EDN (KDE)	25.00% 37.50% 50.00%	9.2 16.2	540 954	0.35 0.72 1.28	4166 6471	40.87 63.48	9.19 14.27	4569 7096	44.82 69.62	10.08 15.65	2140 2840 3520	1.34 2.03	7.72 6.78
			62.50% 75.00%	26.8 39.8	1578 2340	2.12 3.14	9271 11986	90.95 117.58	20.45	10168 13145	99.75 128.95	22.42	4200 4790	2.93 3.81	5.87 5.12
			87.50% 100.00%	56.6 74.2	3330 4364	4.47 5.85	14995 18166	147.10 178.21	33.07 40.06	16445 19923	161.33 195.44	36.27 43.94	5320 5740	4.79 5.77	4.50 4.16
		27.5" x 8.9 TRIPLE-EDN (KDE)	25.00% 37.50%	5.2 11.3	305 663	0.41	2685 5030	26.34 49.34	5.92 11.09	2945 5516	28.89 54.11	6.49 12.16	2040 2730	0.94 1.72	8.80 7.58
			50.00% 62.50%	20.6 33.6	1212 1977	1.63 2.65	7955 10844	78.04 106.38	17.54 23.91	8724 11892	85.58 116.66	19.24 26.23	3400 4010	2.72 3.87	6.56 5.48
			75.00% 87.50%	49.9 70.4	2931 4138	3.93 5.55	13540 17037	132.83 167.13	29.86 37.57	14849 18684	145.67 183.29	32.75 41.20	4550 5030	4.95 6.14	4.62 4.12
		30.5" x 9.7 DUAL-EDN (KDE)	100.00% 25.00%	95.3 5.4	5606 318	7.52 0.43	19779 3019	194.03 29.62	43.62 6.66	21691 3311 6102	32.48	7.30	5450 2010	7.29 1.03	3.53 9.49
			37.50% 50.00% 62.50%	11.9 22.0 36.4	700 1292 2143	0.94 1.73 2.87	5565 8605 12114	54.60 84.42 118.83	12.27 18.98 26.72	6103 9437 13285	59.88 92.58 130.32	13.46 20.81 29.30	2700 3340 3970	1.89 2.88 4.17	7.95 6.66 5.65
			75.00% 87.50%	54.4 77.0	3200 4526	4.29 6.07	15433 18460	151.40 181.09	34.04 40.71	16925 20244	166.04 198.60	37.33 44.65	4480 4960	5.44 6.60	4.82 4.08
			100.00%	105.2	6186	8.30	21640	212.29	47.72	23732	232.82	52.34	5310	7.67	3.50
			Temp	erature: 68 de	f   Elevati	un: 3500'	Kelative F	numidity: 4	u%   Press	ure: 1010 h	IPA				

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.