

Motor Version	Voltage LiHV [V]	Propeller Size	Throttle Range	Amperage	Power Input		Thrust Output			RPM	Efficiency	
				[A]	[W]	[hp]	[g]	[N]	[lb]	[rev/min]	[g/W]	[lb/hp]
				(Lower is Better)	(Lower is Better)		(Higher is Better)			(Higher is Better)	(Higher is Better)	
KDE13218XF-105 (105Kv, HE) KDE-UAS125UVC S.R. Enabled	23.1V (6S) 26.1V MAX	35.5" x 12.1 DUAL-EDN (KDE)	25.00%	4.7	121	0.16	1315	12.9	2.9	1020	10.87	17.87
			37.50%	7.1	185	0.25	2040	20.01	4.5	1260	11.03	18.13
			50.00%	10.7	279	0.37	2947	28.9	6.5	1500	10.56	17.36
			62.50%	15.3	399	0.54	4081	40.02	9	1740	10.23	16.81
			75.00%	22.4	584	0.78	5441	53.36	12	2040	9.32	15.32
			87.50%	29.9	780	1.05	6620	64.92	14.59	2220	8.49	13.95
			100.00%	37.1	967	1.3	7754	76.04	17.09	2400	8.02	13.18
	30.8V (8S) 34.8V MAX	35.5" x 12.1 DUAL-EDN (KDE)	25.00%	6	209	0.28	2358	23.13	5.2	1320	11.34	18.64
			37.50%	9.6	334	0.34	3446	33.81	7.6	1620	13.78	22.67
			50.00%	15.4	536	0.54	4988	48.93	11	1920	12.44	20.46
			62.50%	23.3	811	0.82	6847	67.17	15.1	2280	11.26	18.52
			75.00%	32.5	1131	1.14	8615	84.52	19	2580	10.16	16.71
			87.50%	44.3	1542	1.55	10792	105.87	23.8	2820	9.34	15.35
			100.00%	54.1	1883	1.89	12243	120.1	27	3060	8.67	14.26
	38.5V (10S) 43.5V MAX	35.5" x 12.1 DUAL-EDN (KDE)	25.00%	7.7	335	0.45	3310	32.47	7.3	1620	9.91	16.26
			37.50%	13.3	579	0.78	5169	50.71	11.4	1980	8.94	14.69
			50.00%	21.2	922	1.24	7255	71.17	16	2340	7.87	12.93
			62.50%	31.4	1366	1.83	9840	96.53	21.7	2700	7.21	11.84
			75.00%	45	1958	2.63	12696	124.55	28	3060	6.49	10.67
			87.50%	59.6	2593	3.48	15417	151.24	34	3360	5.95	9.78
			100.00%	73.3	3189	4.28	17503	171.7	38.6	3600	5.49	9.03
	46.2V (12S) 52.2V MAX	35.5" x 12.1 DUAL-EDN (KDE)	25.00%	9.2	480	0.64	4172	40.92	9.2	1800	8.69	14.29
			37.50%	16.9	882	1.18	6983	68.5	15.4	2280	7.92	13.02
			50.00%	27.2	1419	1.9	9976	97.86	22	2700	7.03	11.55
			62.50%	40.6	2119	2.84	13240	129.89	29.2	3120	6.25	10.27
			75.00%	57.4	2996	4.02	16913	165.92	37.3	3480	5.65	9.28
			87.50%	77.3	4035	5.41	19951	195.72	44	3840	4.94	8.13
			100.00%	94	4906	6.58	23125	226.86	51	4140	4.71	7.75
53.9V (14S) 60.9V MAX	35.5" x 12.1 DUAL-EDN (KDE)	25.00%	11.5	700	0.94	5623	55.16	12.4	2100	8.03	13.21	
		37.50%	20.6	1254	1.68	8933	87.63	19.7	2580	7.12	11.71	
		50.00%	33.3	2027	2.72	12515	122.77	27.6	3060	6.17	10.15	
		62.50%	49.3	3002	4.03	16596	162.8	36.6	3480	5.53	9.09	
		75.00%	71.3	4342	5.82	20858	204.62	46	3900	4.8	7.9	
		87.50%	96	5846	7.84	25982	254.88	57.3	4320	4.44	7.31	
		100.00%	117	7125	9.56	30834	302.48	68	4560	4.33	7.12	
Note: performance chart provided under the test conditions listed below. Measurements taken under alternate conditions will affect the final results.												
Location: KDE Direct HQ Dynamometer V2 (Bend, Oregon)												
Altitude: 3730 ft (1137 m)												
Pressure: 30.3 inHg (1026 hPa)												
Temperature: 72°F (22°C)												
Humidity: 35% (Relative)												