

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)				
KDE2306XF-2050 (2050Kv)  KDEXF-UAS20LV S.R. ENABLED	11.6V (3S) 13.1V MAX	5" x 3.0 (HQ)	25.0%	1.2	15	0.02	80	0.78	0.18	9540	5.33	8.77			
			37.5%	1.6	20	0.03	100	0.98	0.22	10740	5.00	8.22			
			50.0%	2.3	30	0.04	140	1.37	0.31	14180	4.67	7.67			
			62.5%	3.4	44	0.06	200	1.96	0.44	17220	4.55	7.47			
			75.0%	4.2	55	0.07	240	2.35	0.53	18900	4.36	7.17			
			87.5%	5.0	65	0.09	280	2.75	0.62	20520	4.31	7.08			
			100.0%	6.2	81	0.11	340	3.33	0.75	22620	4.20	6.90			
		5" x 4.0 (HQ)	25.0%	1.4	18	0.02	80	0.78	0.18	8580	4.44	7.31			
			37.5%	1.9	24	0.03	100	0.98	0.22	10080	4.17	6.85			
			50.0%	3.0	39	0.05	160	1.57	0.35	13020	4.10	6.74			
			62.5%	4.4	57	0.08	220	2.16	0.49	15720	3.86	6.35			
			75.0%	5.6	73	0.10	280	2.75	0.62	17480	3.84	6.31			
			87.5%	7.1	93	0.12	340	3.33	0.75	19260	3.66	6.01			
			100.0%	9.4	123	0.16	440	4.31	0.97	21600	3.58	5.88			
		5" x 4.0 x 3 (HQ)	25.0%	1.5	19	0.03	120	1.18	0.26	8000	6.32	10.38			
			37.5%	2.2	28	0.04	150	1.47	0.33	9720	5.36	8.81			
			50.0%	3.5	45	0.06	210	2.06	0.46	12120	4.67	7.67			
			62.5%	5.4	70	0.09	280	2.75	0.62	14480	4.00	6.58			
			75.0%	7.1	93	0.12	360	3.53	0.79	16382	3.87	6.36			
			87.5%	9.8	128	0.17	450	4.41	0.99	18400	3.52	5.78			
			100.0%	12.9	168	0.23	580	5.69	1.28	20480	3.45	5.68			
		5" x 4.5BN (HQ)	25.0%	1.5	19	0.03	90	0.88	0.20	7680	4.74	7.79			
			37.5%	2.3	30	0.04	130	1.27	0.29	9300	4.33	7.12			
			50.0%	3.9	51	0.07	200	1.96	0.44	11780	3.92	6.45			
			62.5%	5.8	75	0.10	280	2.75	0.62	13800	3.73	6.14			
			75.0%	8.1	106	0.14	360	3.53	0.79	15780	3.40	5.58			
			87.5%	11.1	145	0.19	450	4.41	0.99	17780	3.10	5.10			
			100.0%	15.0	196	0.26	580	5.69	1.28	19920	2.96	4.86			
		6" x 3.0 (HQ)	25.0%	1.3	17	0.02	90	0.88	0.20	8520	5.29	8.70			
			37.5%	1.9	24	0.03	130	1.27	0.29	10080	5.42	8.90			
	50.0%		2.9	37	0.05	190	1.86	0.42	13020	5.14	8.44				
	62.5%		4.4	57	0.08	280	2.75	0.62	15680	4.91	8.08				
	75.0%		5.6	73	0.10	350	3.43	0.77	17340	4.79	7.88				
	87.5%		7.2	94	0.13	420	4.12	0.93	19320	4.47	7.35				
	100.0%		9.5	124	0.17	540	5.30	1.19	21680	4.35	7.16				
	6" x 4.5 (HQ)	25.0%	1.7	22	0.03	100	0.98	0.22	7140	4.55	7.47				
		37.5%	2.6	34	0.05	150	1.47	0.33	8850	4.41	7.25				
		50.0%	4.5	58	0.08	260	2.55	0.57	11000	4.48	7.37				
		62.5%	6.7	87	0.12	370	3.63	0.82	13140	4.25	6.99				
		75.0%	9.6	125	0.17	490	4.81	1.08	14900	3.92	6.44				
		87.5%	14.0	183	0.25	640	6.28	1.41	17200	3.50	5.75				
		100.0%	17.8	233	0.31	810	7.94	1.79	18960	3.48	5.72				
	15.4V (4S) 17.4V MAX	5" x 3.0 (HQ)	25.0%	1.6	27	0.04	110	1.08	0.24	12080	4.07	6.70			
			37.5%	2.1	36	0.05	140	1.37	0.31	13920	3.89	6.39			
			50.0%	3.3	57	0.08	210	2.06	0.46	18800	3.68	6.06			
			62.5%	4.7	81	0.11	300	2.94	0.66	21480	3.70	6.09			
			75.0%	5.8	100	0.13	360	3.53	0.79	23580	3.60	5.92			
			87.5%	7.4	128	0.17	440	4.31	0.97	26040	3.44	5.65			
			100.0%	9.1	158	0.21	540	5.30	1.19	28580	3.42	5.62			
		5" x 4.0 (HQ)	25.0%	1.8	31	0.04	120	1.18	0.26	10980	3.87	6.36			
			37.5%	2.5	43	0.06	160	1.57	0.35	12960	3.72	6.12			
			50.0%	4.1	71	0.10	250	2.45	0.55	16580	3.52	5.79			
			62.5%	5.9	102	0.14	350	3.43	0.77	19440	3.43	5.64			
			75.0%	7.8	135	0.18	460	4.51	1.01	21720	3.41	5.60			
			87.5%	10.0	174	0.23	590	5.79	1.30	24120	3.39	5.57			
			100.0%	11.9	207	0.28	690	6.77	1.52	27000	3.33	5.48			
		5" x 4.0 x 3 (HQ)	25.0%	2.0	34	0.05	140	1.37	0.31	9960	4.12	6.77			
			37.5%	3.0	52	0.07	200	1.96	0.44	12100	3.85	6.32			
			50.0%	5.0	87	0.12	320	3.14	0.71	15120	3.68	6.05			
			62.5%	7.3	127	0.17	420	4.12	0.93	17800	3.31	5.44			
			75.0%	10.1	175	0.23	540	5.30	1.19	20160	3.09	5.07			
			87.5%	13.8	240	0.32	680	6.67	1.50	22780	2.83	4.66			
			100.0%	18.5	321	0.43	880	8.63	1.94	25500	2.74	4.51			
		5" x 4.5BN (HQ)	25.0%	2.0	34	0.05	150	1.47	0.33	9600	4.41	7.25			
			37.5%	3.3	57	0.08	210	2.06	0.46	11760	3.68	6.06			
			50.0%	5.5	95	0.13	300	2.94	0.66	14500	3.16	5.19			
			62.5%	8.2	142	0.19	420	4.12	0.93	17100	2.96	4.86			
			75.0%	11.6	201	0.27	550	5.39	1.21	19500	2.74	4.50			
			87.5%	16.1	280	0.38	700	6.86	1.54	21900	2.50	4.11			
			100.0%	21.4	372	0.50	880	8.63	1.94	24400	2.37	3.89			
		6" x 3.0 (HQ)	25.0%	1.8	31	0.04	140	1.37	0.31	10900	4.52	7.42			
			37.5%	2.5	43	0.06	190	1.86	0.42	13020	4.42	7.26			
	50.0%		4.1	71	0.10	300	2.94	0.66	16380	4.23	6.95				
	62.5%		6.0	104	0.14	430	4.22	0.95	19380	4.13	6.80				
	75.0%		7.7	133	0.18	540	5.30	1.19	21600	4.06	6.67				
	87.5%		10.6	184	0.25	660	6.47	1.46	24100	3.59	5.90				
	100.0%		14.2	247	0.33	860	8.43	1.90	26800	3.48	5.72				
	6" x 4.5 (HQ)	25.0%	2.1	36	0.05	180	1.77	0.40	8940	5.00	8.22				
		37.5%	3.7	64	0.09	270	2.65	0.60	11100	4.22	6.94				
		50.0%	6.2	107	0.14	420	4.12	0.93	13800	3.93	6.45				
		62.5%	9.7	168	0.23	580	5.69	1.28	16200	3.45	5.68				
		75.0%	13.7	238	0.32	750	7.35	1.65	18400	3.15	5.18				
		87.5%	19.7	342	0.46	990	9.71	2.18	20880	2.89	4.76				
		100.0%	25.8	448	0.60	1210	11.87	2.67	23180	2.70	4.44				
	23.1V (6S) 26.1V MAX	5" x 3.0 (HQ)	25.0%	2.4	62	0.08	200	1.96	0.44	17220	3.23	5.30			
			37.5%	3.4	88	0.12	260	2.55	0.57	19880	2.95	4.86			
			50.0%	5.4	140	0.19	400	3.92	0.88	24980	2.86	4.70			
			62.5%	7.7	200	0.27	550	5.39	1.21	29280	2.75	4.52			
			75.0%	9.6	250	0.34	660	6.47	1.46	31380	2.64	4.34			
			87.5%	12.3	321	0.43	830	8.14	1.83	35280	2.59	4.25			
			100.0%	15.8	412	0.55	1050	10.30	2.31	38580	2.55	4.19			
		5" x 4.0 (HQ)	25.0%	2.8	73	0.10	220	2.16	0.49	15000	3.01	4.95			
			37.5%	4.5	117	0.16	320	3.14	0.71	17820	2.74	4.50			
			50.0%	6.9	180	0.24	460	4.51	1.01	21680	2.56	4.20			
			62.5%	10.2	266	0.36	650	6.37	1.43	25500	2.44	4.02			
			75.0%	13.8	360	0.48	830	8.14	1.83	28380	2.31	3.79			
			87.5%	19.9	519	0.70	1060	10.40	2.34	32340	2.04	3.36			
			100.0%	25.8	673	0.90	1320	12.94	2.91	35260	1.96	3.22			
			<b>Note</b> : 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)															