

Motor Version	Voltage LiHV [V]	Propeller Size	Throttle Range	Amperage	Power Input		Thrust Output			RPM	Efficiency		
				[A] <small>(Lower is Better)</small>	[W]	[hp]	[g]	[N]	[lb]	[rev/min] <small>(Higher is Better)</small>	[g/W]	[lb/hp] <small>(Higher is Better)</small>	
KDE4012XF-400 (400Kv, D5) KDEXF-UAS35HVC S.R. Enabled	15.4V (4S) 17.4V MAX	15.5" x 5.3 DUAL-EDN (KDE)	25.0%	0.6	10	0.01	170	1.67	0.37	1800	17.00	27.95	
			37.5%	1.4	24	0.03	350	3.43	0.77	2580	14.58	23.97	
			50.0%	2.8	48	0.06	570	5.59	1.26	3300	11.88	19.52	
			62.5%	4.5	78	0.10	830	8.14	1.83	3980	10.64	17.49	
			75.0%	6.8	118	0.16	1140	11.18	2.51	4500	9.66	15.88	
			87.5%	10.0	174	0.23	1510	14.81	3.33	5100	8.68	14.27	
		100.0%	12.6	219	0.29	1860	18.24	4.10	5640	8.49	13.96		
		15.5" x 5.3 TRIPLE-EDN (KDE)	25.0%	0.7	12	0.02	220	2.16	0.49	1780	18.33	30.14	
			37.5%	1.7	29	0.04	450	4.41	0.99	2480	15.52	25.51	
			50.0%	3.5	60	0.08	710	6.96	1.57	3180	11.83	19.45	
			62.5%	5.8	100	0.13	1040	10.20	2.29	3780	10.40	17.10	
			75.0%	8.6	149	0.20	1340	13.14	2.95	4320	8.99	14.78	
			87.5%	12.4	215	0.29	1740	17.06	3.84	4840	8.09	13.30	
		100.0%	15.6	271	0.36	2110	20.69	4.65	5280	7.79	12.80		
		18.5" x 6.3 DUAL-EDN (KDE)	25.0%	1.0	17	0.02	320	3.14	0.71	1740	18.82	30.95	
			37.5%	2.3	40	0.05	580	5.69	1.28	2400	14.50	23.84	
			50.0%	4.3	74	0.10	910	8.92	2.01	2940	12.30	20.22	
			62.5%	7.1	123	0.16	1320	12.94	2.91	3540	10.73	17.64	
			75.0%	10.6	184	0.25	1720	16.87	3.79	4020	9.35	15.37	
			87.5%	14.9	259	0.35	2110	20.69	4.65	4500	8.15	13.39	
		100.0%	19.0	330	0.44	2620	25.69	5.78	4880	7.94	13.05		
		18.5" x 6.3 TRIPLE-EDN (KDE)	25.0%	1.1	19	0.03	360	3.53	0.79	1600	18.95	31.15	
			37.5%	2.7	46	0.06	690	6.77	1.52	2240	15.00	24.66	
			50.0%	5.4	93	0.12	1070	10.49	2.36	2780	11.51	18.91	
			62.5%	8.8	153	0.21	1500	14.71	3.31	3280	9.80	16.12	
			75.0%	13.2	229	0.31	1950	19.12	4.30	3720	8.52	14.00	
			87.5%	18.8	327	0.44	2390	23.44	5.27	4120	7.31	12.02	
		100.0%	23.9	415	0.56	2940	28.83	6.48	4440	7.08	11.65		
		23.1V (6S) 26.1V MAX	12.5" x 4.3 DUAL-EDN (KDE)	25.0%	0.5	13	0.02	150	1.47	0.33	2940	11.54	18.97
				37.5%	1.2	31	0.04	290	2.84	0.64	4140	9.35	15.38
	50.0%			2.2	57	0.08	490	4.81	1.08	5220	8.60	14.13	
	62.5%			3.3	86	0.12	700	6.86	1.54	6240	8.14	13.38	
	75.0%			4.9	127	0.17	970	9.51	2.14	7280	7.64	12.56	
	87.5%			7.0	182	0.24	1250	12.26	2.76	8280	6.87	11.29	
	100.0%		9.2	240	0.32	1560	15.30	3.44	9180	6.50	10.69		
	12.5" x 4.3 TRIPLE-EDN (KDE)		25.0%	0.6	15	0.02	180	1.77	0.40	2840	12.00	19.73	
			37.5%	1.5	39	0.05	360	3.53	0.79	4000	9.23	15.18	
			50.0%	2.7	70	0.09	590	5.79	1.30	5080	8.43	13.86	
			62.5%	4.2	109	0.15	840	8.24	1.85	6040	7.71	12.67	
			75.0%	6.4	167	0.22	1160	11.38	2.56	7000	6.95	11.42	
			87.5%	9.0	234	0.31	1500	14.71	3.31	7920	6.41	10.54	
	100.0%		11.6	302	0.40	1840	18.04	4.06	8720	6.09	10.02		
	15.5" x 5.3 DUAL-EDN (KDE)		25.0%	1.1	28	0.04	350	3.43	0.77	2580	12.50	20.55	
			37.5%	2.6	67	0.09	740	7.26	1.63	3600	11.04	18.16	
			50.0%	4.5	117	0.16	1160	11.38	2.56	4500	9.91	16.30	
			62.5%	7.8	203	0.27	1670	16.38	3.68	5400	8.23	13.52	
		75.0%	11.6	302	0.40	2150	21.08	4.74	6120	7.12	11.70		
		87.5%	16.3	425	0.57	2670	26.18	5.89	6840	6.28	10.33		
	100.0%	21.0	548	0.73	3300	32.36	7.28	7500	6.02	9.90			
	15.5" x 5.3 TRIPLE-EDN (KDE)	25.0%	1.4	36	0.05	440	4.31	0.97	2480	12.22	20.09		
		37.5%	3.2	83	0.11	860	8.43	1.90	3480	10.36	17.03		
		50.0%	5.7	148	0.20	1340	13.14	2.95	4280	9.05	14.88		
		62.5%	9.7	253	0.34	1900	18.63	4.19	5080	7.51	12.35		
		75.0%	14.1	368	0.49	2430	23.83	5.36	5780	6.60	10.86		
		87.5%	20.6	537	0.72	3010	29.52	6.64	6440	5.61	9.21		
	100.0%	26.1	681	0.91	3670	35.99	8.09	6920	5.39	8.86			
	18.5" x 6.3 DUAL-EDN (KDE)	25.0%	1.6	41	0.05	550	5.39	1.21	2340	13.41	22.05		
		37.5%	4.0	104	0.14	1130	11.08	2.49	3300	10.87	17.86		
		50.0%	7.3	190	0.25	1750	17.16	3.86	4020	9.21	15.14		
		62.5%	11.9	310	0.42	2350	23.05	5.18	4740	7.58	12.46		
		75.0%	17.5	456	0.61	2990	29.32	6.59	5340	6.56	10.78		
		87.5%	25.1	655	0.88	3710	36.38	8.18	5820	5.66	9.31		
	100.0%	32.6	850	1.14	4670	45.80	10.30	6480	5.49	9.03			
	30.8V (8S) 34.8V MAX	12.5" x 4.3 DUAL-EDN (KDE)	25.0%	1.0	34	0.05	280	2.75	0.62	4200	8.24	13.54	
			37.5%	1.8	62	0.08	490	4.81	1.08	5340	7.90	12.99	
			50.0%	3.2	111	0.15	810	7.94	1.79	6680	7.30	12.00	
			62.5%	4.9	170	0.23	1140	11.18	2.51	7920	6.71	11.02	
			75.0%	7.2	250	0.34	1530	15.00	3.37	9120	6.12	10.06	
			87.5%	10.2	354	0.47	1960	19.22	4.32	10320	5.54	9.10	
		100.0%	13.3	462	0.62	2460	24.12	5.42	11340	5.32	8.75		
		12.5" x 4.3 TRIPLE-EDN (KDE)	25.0%	1.2	41	0.05	350	3.43	0.77	3980	8.54	14.03	
			37.5%	2.2	76	0.10	610	5.98	1.34	5180	8.03	13.20	
			50.0%	3.9	135	0.18	930	9.12	2.05	6400	6.89	11.33	
			62.5%	6.3	219	0.29	1350	13.24	2.98	7640	6.16	10.13	
			75.0%	9.2	320	0.43	1810	17.75	3.99	8780	5.66	9.30	
			87.5%	13.3	462	0.62	2310	22.65	5.09	9920	5.00	8.22	
		100.0%	16.6	577	0.77	2790	27.36	6.15	10800	4.84	7.95		
		15.5" x 5.3 DUAL-EDN (KDE)	25.0%	1.6	55	0.07	610	5.98	1.34	3300	11.09	18.23	
			37.5%	3.7	128	0.17	1160	11.38	2.56	4580	9.06	14.90	
			50.0%	6.8	236	0.32	1820	17.85	4.01	5600	7.71	12.68	
			62.5%	11.2	389	0.52	2500	24.52	5.51	6600	6.43	10.57	
	75.0%		16.8	584	0.78	3280	32.17	7.23	7500	5.62	9.23		
	87.5%		24.2	842	1.13	4080	40.01	8.99	8400	4.85	7.97		
	100.0%	30.6	1064	1.43	4990	48.94	11.00	9120	4.69	7.71			
	Note : performance chart provided under the test conditions listed below. Measurements taken under alternate conditions will affect the final results. <i>Location</i> : KDE Direct HQ Dynamometer V2 (Bend, Oregon) <i>Altitude</i> : 3730 ft (1137 m) <i>Pressure</i> : 30.3 inHg (1026 hPa) <i>Temperature</i> : 72 °F (22°C) <i>Humidity</i> : 35% (Relative)												