

MOTOR VERSION	VOLTAGE [V]	PROPELLER SIZE	THROTTLE RANGE	AMPERAGE	POWER INPUT			THRUST OUTPUT			RPM		EFFICIENCY																																																														
				[A] (LOWER IS BETTER)	[W] [hp]	[g]	[N] [lb]	[lb]	[rev/min] (HIGHER IS BETTER)	[g/W] (HIGHER IS BETTER)	[lb/hp] (HIGHER IS BETTER)																																																																
KDE1806XF-2350 KDEXF-UAS20LV S.R. ENABLED	7.4V (2S) 8.4V MAX	5" x 3.0HQ	25.0%	0.6	4	0.01	80	0.59	0.13	7800	15.00	24.66	37.5%	1.0	7	0.01	80	0.78	0.18	9900	11.43	18.79	50.0%	1.5	10	0.01	110	1.08	0.24	11580	11.00	18.08	62.5%	2.0	14	0.02	130	1.27	0.29	12720	9.29	15.27	75.0%	2.5	18	0.02	160	1.57	0.35	13980	8.89	14.61	87.5%	3.4	25	0.03	210	2.06	0.46	16080	8.40	13.81	100.0%	4.7	34	0.05	240	2.35	0.53	18060	7.06	11.60			
			25.0%	0.6	4	0.01	60	0.59	0.13	6780	15.00	24.66	37.5%	1.2	8	0.01	80	0.78	0.18	8580	10.00	16.44	50.0%	1.8	12	0.02	110	1.08	0.24	10080	9.17	15.07	62.5%	2.3	17	0.02	130	1.27	0.29	11480	7.65	12.57	75.0%	3.3	24	0.03	160	1.57	0.35	13280	6.67	10.96	87.5%	4.9	36	0.05	230	2.26	0.51	15240	6.39	10.50	100.0%	6.6	49	0.07	280	2.75	0.62	16980	5.71	9.39			
			25.0%	0.7	5	0.01	70	0.69	0.15	5800	14.00	23.02	37.5%	1.3	9	0.01	100	0.98	0.22	7440	11.11	18.27	50.0%	2.0	14	0.02	130	1.27	0.29	8800	9.29	15.27	62.5%	2.9	21	0.03	170	1.67	0.37	10360	8.10	13.31	75.0%	4.5	33	0.04	220	2.16	0.49	12240	6.67	10.96	87.5%	6.7	49	0.07	290	2.84	0.64	14080	5.92	9.73	100.0%	9.0	66	0.09	360	3.53	0.79	15440	5.45	8.97			
			25.0%	0.7	5	0.01	70	0.69	0.15	5460	14.00	23.02	37.5%	1.3	9	0.01	100	0.98	0.22	6900	11.11	18.27	50.0%	2.0	15	0.02	120	1.18	0.26	8340	8.00	13.15	62.5%	3.1	23	0.03	140	1.37	0.31	10080	6.09	10.01	75.0%	5.3	38	0.05	200	1.96	0.44	11880	5.26	8.65	87.5%	7.7	56	0.08	280	2.75	0.62	13560	5.00	8.22	100.0%	10.1	75	0.10	340	3.33	0.75	14820	4.53	7.45			
			25.0%	0.6	4	0.01	60	0.59	0.13	6720	15.00	24.66	37.5%	1.1	7	0.01	90	0.88	0.20	8520	12.86	21.14	50.0%	1.7	12	0.02	110	1.08	0.24	10020	9.17	15.07	62.5%	2.3	17	0.02	150	1.47	0.33	11480	8.82	14.51	75.0%	3.5	25	0.03	210	2.06	0.46	13140	8.40	13.01	87.5%	5.1	37	0.05	270	2.65	0.60	15060	7.30	12.00	100.0%	6.8	50	0.07	340	3.33	0.75	16800	6.80	11.18			
			25.0%	0.7	5	0.01	60	0.59	0.13	4860	12.00	19.73	37.5%	1.2	8	0.01	90	0.88	0.20	6240	11.25	18.49	50.0%	2.3	17	0.02	130	1.27	0.29	7880	7.65	12.57	62.5%	4.1	30	0.04	200	1.96	0.44	9480	6.67	10.96	75.0%	6.3	46	0.06	270	2.65	0.60	11160	5.87	9.65	87.5%	9.0	66	0.09	340	3.33	0.75	12480	5.15	8.47	100.0%	11.7	86	0.12	410	4.02	0.90	13560	4.77	7.84			
		25.0%	0.9	6	0.01	70	0.69	0.15	3980	11.67	19.18	37.5%	1.7	12	0.02	120	1.18	0.26	5220	10.00	16.44	50.0%	3.5	25	0.03	180	1.77	0.40	6780	7.20	11.84	62.5%	5.9	43	0.06	240	2.35	0.53	7980	5.58	9.18	75.0%	8.8	64	0.09	330	3.24	0.73	9080	5.16	8.88	87.5%	11.9	88	0.12	380	3.73	0.84	9810	4.32	7.10	100.0%	15.7	116	0.16	460	4.51	1.01	10920	3.97	6.52				
		KDE1806XF-2350 KDEXF-UAS20LV S.R. ENABLED	11.1V (3S) 12.6V MAX	5" x 3.0HQ	25.0%	0.9	9	0.01	100	0.98	0.22	10740	11.11	18.27	37.5%	1.6	17	0.02	150	1.47	0.33	13440	8.82	14.51	50.0%	2.3	25	0.03	190	1.86	0.42	15540	7.60	12.49	62.5%	3.1	34	0.05	230	2.26	0.51	17400	6.76	11.12	75.0%	4.3	47	0.06	270	2.65	0.60	19680	5.74	9.44	87.5%	6.2	69	0.09	350	3.43	0.77	22740	5.07	8.34	100.0%	8.4	93	0.12	420	4.12	0.93	25200	4.52	7.42	
					25.0%	1.0	10	0.01	100	0.98	0.22	9240	10.00	16.44	37.5%	1.8	19	0.03	160	1.57	0.35	11400	8.82	13.84	50.0%	2.6	29	0.04	210	2.06	0.46	13680	7.24	11.90	62.5%	3.9	43	0.06	250	2.45	0.55	15780	5.81	9.56	75.0%	6.0	67	0.09	340	3.33	0.75	18480	5.07	8.34	87.5%	8.8	97	0.13	430	4.22	0.95	21240	4.43	7.29	100.0%	11.5	127	0.17	510	5.00	1.12	23100	4.02	6.60	
					25.0%	1.0	10	0.01	100	0.98	0.22	7920	10.00	16.44	37.5%	2.0	21	0.03	170	1.67	0.37	9880	8.10	13.31	50.0%	3.2	35	0.05	250	2.45	0.55	11960	7.14	11.74	62.5%	5.4	59	0.08	320	3.14	0.71	14480	5.42	8.92	75.0%	8.1	89	0.12	400	3.92	0.88	16660	4.49	7.39	87.5%	11.4	126	0.17	490	4.81	1.08	18600	3.89	6.39	100.0%	15.2	168	0.23	580	5.69	1.28	20560	3.45	5.68	
					25.0%	1.1	11	0.01	110	1.08	0.24	7380	10.00	16.44	37.5%	2.0	22	0.03	160	1.57	0.35	9360	7.27	11.96	50.0%	3.6	40	0.05	210	2.06	0.46	11460	5.25	8.63	62.5%	6.0	67	0.09	290	2.84	0.64	13740	4.33	7.12	75.0%	9.2	101	0.14	370	3.63	0.82	15720	3.66	6.02	87.5%	12.9	142	0.19	460	4.51	1.01	17220	3.24	5.33	100.0%	16.5	182	0.24	540	5.30	1.19	18900	2.97	4.88	
					25.0%	1.1	12	0.02	120	1.18	0.26	9120	10.00	16.44	37.5%	1.9	20	0.03	170	1.67	0.37	11400	8.50	13.97	50.0%	2.7	30	0.04	210	2.06	0.46	13380	7.00	11.51	62.5%	4.1	45	0.06	290	2.84	0.64	15540	6.44	10.59	75.0%	6.2	69	0.09	400	3.92	0.88	18180	5.80	9.53	87.5%	9.2	101	0.14	510	5.00	1.12	20680	5.05	8.30	100.0%	12.2	135	0.18	590	5.79	1.30	22440	4.37	7.18	
	25.0%				1.2	13	0.02	120	1.18	0.26	6600	9.23	15.18	37.5%	2.2	24	0.03	180	1.77	0.40	8580	7.50	12.33	50.0%	4.3	47	0.06	260	2.55	0.57	10740	5.53	9.09	62.5%	7.1	79	0.11	360	3.53	0.79	12720	4.56	7.49	75.0%	10.2	113	0.15	480	4.71	1.06	14340	4.25	6.98	87.5%	14.6	162	0.22	560	5.49	1.23	15540	3.46	5.68	100.0%	19.1	212	0.28	650	6.37	1.43	17560	3.07	5.04		
	KDE1806XF-2350 KDEXF-UAS20LV S.R. ENABLED			14.8V (4S) 16.8V MAX	5" x 3.0HQ	25.0%	1.2	17	0.02	140	1.37	0.31	13140	8.24	13.54	37.5%	2.0	29	0.04	190	1.86	0.42	16440	6.55	10.77	50.0%	3.2	47	0.06	250	2.45	0.55	19680	5.32	8.74	62.5%	4.5	66	0.09	330	3.24	0.73	21600	5.00	8.22	75.0%	6.4	95	0.13	420	4.12	0.93	24840	4.42	7.27	87.5%	9.3	137	0.18	560	5.49	1.23	28320	4.09	6.72	100.0%	12.6	186	0.25	660	6.47	1.46	31140	3.55	5.83
						25.0%	1.3	18	0.02	140	1.37	0.31	11400	7.78	12.79	37.5%	2.3	34	0.05	200	1.96	0.44	14160	5.88	9.67	50.0%	3.7	54	0.07	280	2.75	0.62	16740	5.19	8.52	62.5%	5.9	86	0.12	380	3.73	0.84	19800	4.42	7.26	75.0%	8.9	131	0.18	490	4.81	1.08	22800	3.74	6.15	87.5%	12.8	189	0.25	630	6.18	1.39	25500	3.33	5.48	100.0%	17.0	251	0.34	770	7.55	1.70	28260	3.07	5.04

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)