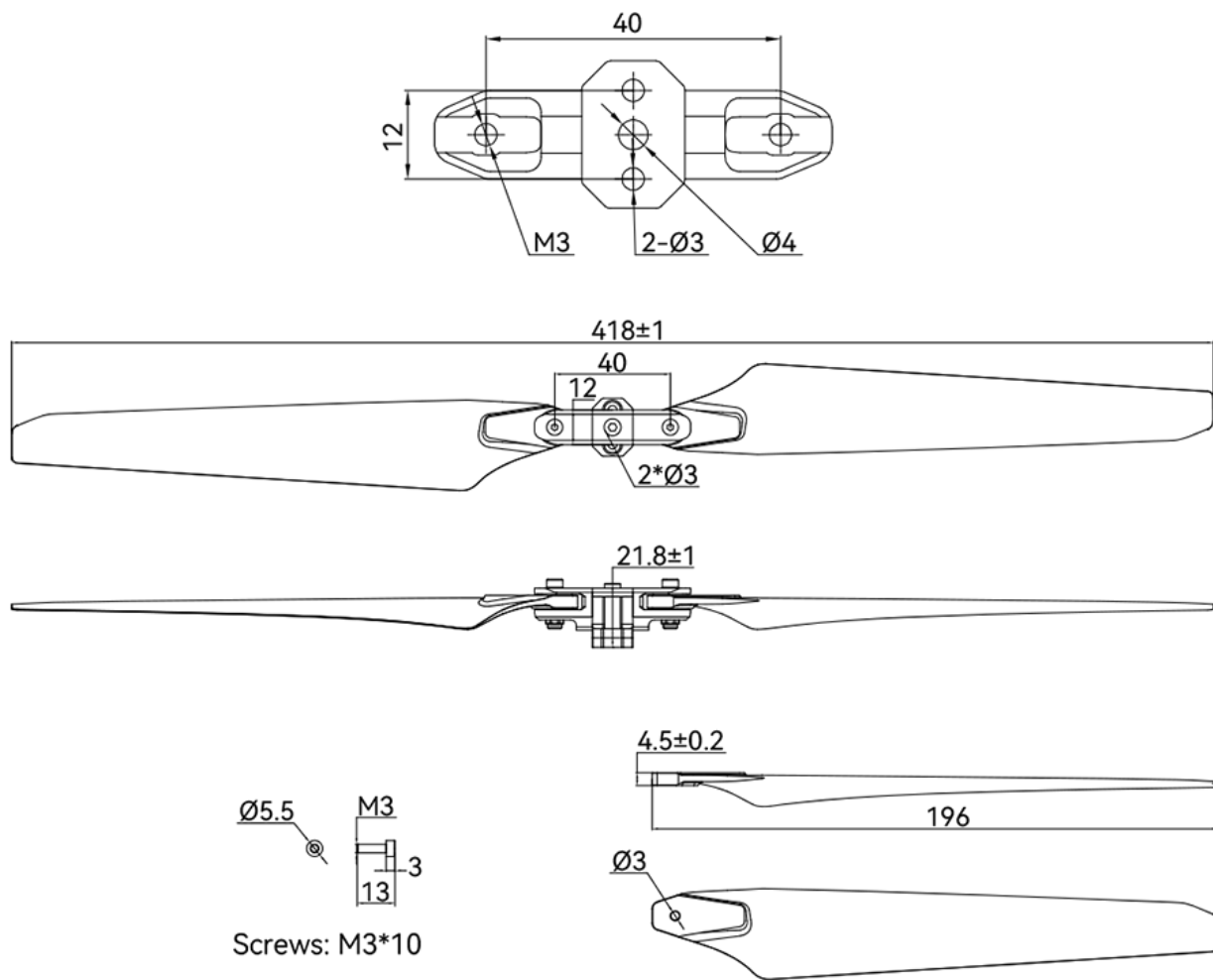




Specification

Model NO.	MF1604VP	LIGPOWER Series	Folding
Weight (Single Blade)	38.3g	Package Weight	158g
Diameter	16.4inch (416.56mm)	Package Size	211*86*42mm
Pitch	5.9inch (149.86mm)	Material	Polymer+CF
Recommended Thrust	0.5~2.2kg	Recommended Max Thrust	3kg
Ambient Temp	-40°C ~ 65°C	Storage Temp/Humidity	-10°C ~ 50°C/ < 85%
Recommendation			
Recommended ESC	FLAME 60A 12S V2.0/FLAME 180A 12S V2.0	Recommended Motor	MN4012/MN4014/U7

Test Data

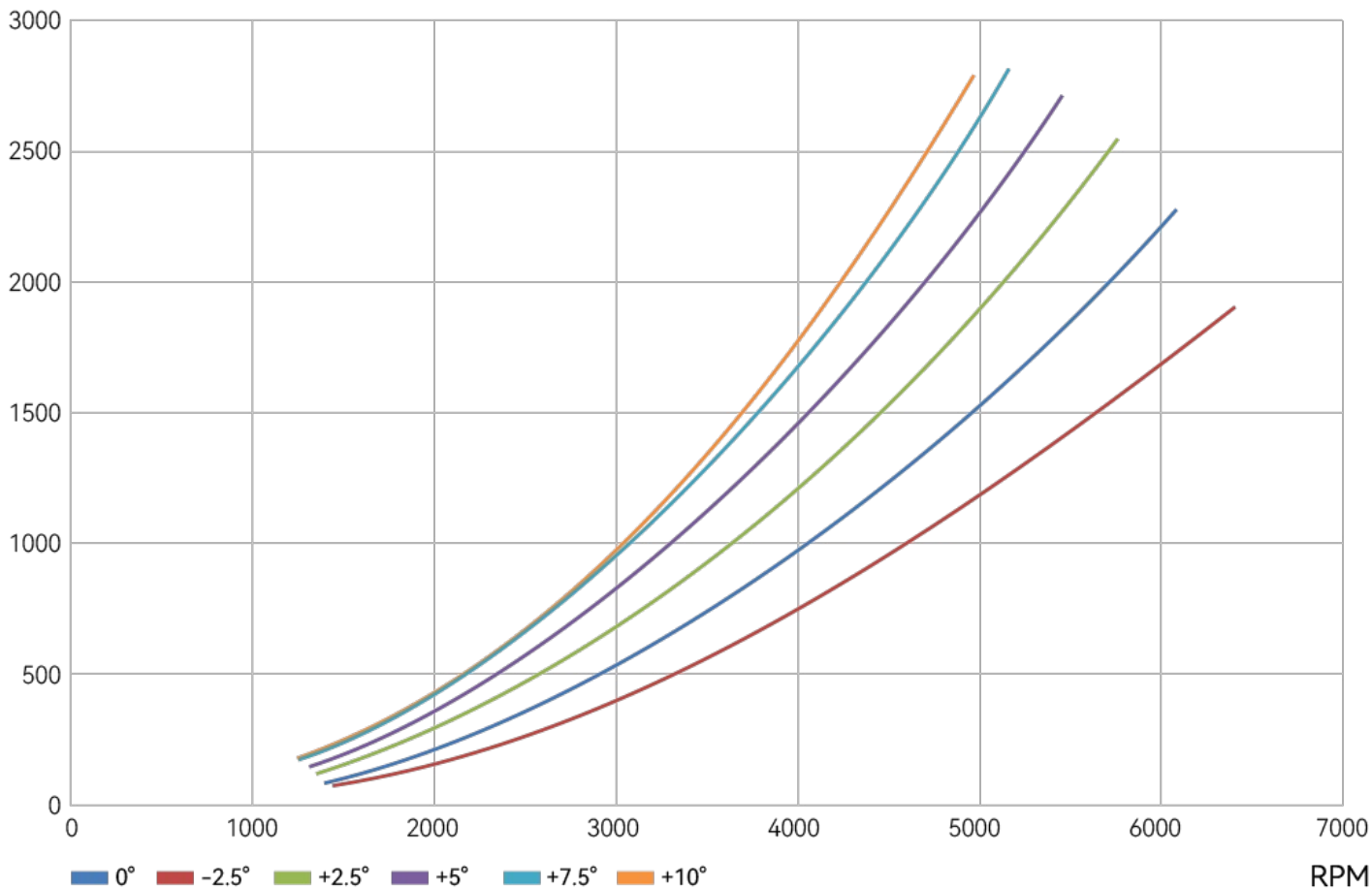
Type	Throttle	Voltage (V)	Thrust (g)	Torque (N*m)	Current (A)	RPM	Power (W)	Efficiency (g / W)	Operating Temperature (°C)
	10%	24	90	0.02	0.30	1405	3	12.43	
	15%	24	156	0.04	0.50	1748	7	13.13	
	20%	24	232	0.05	0.75	2049	11	12.99	
	25%	24	315	0.07	1.04	2343	17	12.66	
	30%	24	404	0.08	1.42	2627	22	11.92	

MN4012 KV340 + FLAME 60A 12S V2.0 + MF1604VP (+5°)	45%	24	972	0.21	4.07	3244	71	10.00	47 (Motor temperature after 3 minutes of operation) (Ambient Temperature:25°C)
	50%	24	1122	0.24	5.00	3477	87	9.40	
	55%	24	1281	0.28	6.17	3728	109	8.72	
	60%	24	1422	0.31	7.24	3935	128	8.26	
	65%	24	1581	0.35	8.46	4135	152	7.86	
	70%	24	1708	0.39	9.77	4329	177	7.37	
	75%	24	1848	0.42	11.14	4507	198	7.00	
	80%	24	1990	0.45	12.60	4693	221	6.67	
	85%	24	2138	0.49	14.20	4871	250	6.38	
	90%	24	2308	0.53	15.95	5040	280	6.14	
	95%	24	2460	0.56	17.75	5221	306	5.89	
	100%	23	2709	0.62	20.49	5449	354	5.64	
MN4012 KV340 + FLAME 60A 12S V2.0 + MF1604VP (+7.5°)	10%	24	195	0.05	0.46	1293	7	17.78	52 (Motor temperature after 3 minutes of operation) (Ambient Temperature:25°C)
	15%	24	276	0.07	0.76	1596	12	15.14	
	20%	24	382	0.09	1.16	1901	18	13.73	
	25%	24	497	0.12	1.65	2162	27	12.61	
	30%	24	625	0.15	2.21	2417	38	11.79	
	35%	24	744	0.18	2.87	2647	50	10.82	
	40%	24	882	0.21	3.68	2884	63	10.03	
	45%	24	1028	0.25	4.64	3123	82	9.27	
	50%	24	1187	0.29	5.73	3341	101	8.69	
	55%	24	1332	0.33	6.89	3554	123	8.12	
	60%	24	1483	0.36	8.18	3758	142	7.62	
	65%	24	1642	0.40	9.70	3962	166	7.13	
	70%	24	1805	0.44	11.16	4136	191	6.83	
	75%	24	1965	0.48	12.72	4309	217	6.53	
	80%	24	2121	0.53	14.43	4472	248	6.23	
	85%	24	2243	0.56	16.23	4636	272	5.87	
	90%	23	2398	0.61	18.25	4798	307	5.59	
	95%	23	2581	0.65	20.32	4950	337	5.42	
	100%	23	2811	0.71	23.34	5157	383	5.16	
MN4012 KV340 + FLAME 60A 12S	10%	24	185	0.05	0.53	1257	7	14.44	63 (Motor temperature after 3
	15%	24	269	0.08	0.86	1557	13	13.06	
	20%	24	373	0.11	1.36	1858	21	11.48	
	25%	24	467	0.14	1.87	2100	31	10.42	
	30%	24	581	0.17	2.53	2341	42	9.59	
	35%	24	721	0.19	3.15	2583	51	9.56	
	40%	24	874	0.23	4.02	2808	68	9.10	
	45%	24	1033	0.27	5.08	3040	86	8.51	
	50%	24	1168	0.31	6.21	3258	106	7.89	

V2.0 + MF1604VP (+10°)	55%	24	1322	0.35	7.47	3458	127	7.43	minutes of operation) (Ambient Temperature:25°C)
	60%	24	1490	0.40	9.07	3669	154	6.92	
	65%	24	1641	0.44	10.49	3842	177	6.60	
	70%	24	1799	0.48	12.07	4010	202	6.30	
	75%	24	1966	0.53	13.78	4178	232	6.04	
	80%	24	2132	0.57	15.65	4332	259	5.78	
	85%	24	2256	0.61	17.63	4481	286	5.44	
	90%	23	2420	0.66	19.72	4633	320	5.23	
	95%	23	2563	0.70	21.89	4767	349	5.00	
	100%	23	2787	0.76	25.26	4965	395	4.73	
MN4012 KV340 + FLAME 60A 12S V2.0 + MF1604VP (-2.5°)	10%	24	80	0.02	0.30	1450	3	11.20	37 (Motor temperature after 3 minutes of operation) (Ambient Temperature:25°C)
	15%	24	128	0.03	0.46	1805	6	11.51	
	20%	24	186	0.04	0.67	2112	9	11.58	
	25%	24	244	0.05	0.89	2404	13	11.44	
	30%	24	314	0.07	1.19	2691	20	11.02	
	35%	24	398	0.08	1.56	2982	25	10.64	
	40%	24	490	0.10	1.99	3292	34	10.27	
	45%	24	604	0.12	2.52	3578	45	10.01	
	50%	24	718	0.14	3.17	3891	57	9.48	
	55%	24	825	0.16	3.79	4155	70	9.12	
	60%	24	935	0.18	4.49	4421	83	8.74	
	65%	24	1044	0.20	5.23	4670	98	8.39	
	70%	24	1149	0.22	5.99	4914	113	8.06	
	75%	24	1268	0.24	6.85	5149	129	7.77	
	80%	24	1373	0.26	7.70	5382	147	7.50	
	85%	24	1490	0.28	8.67	5621	165	7.23	
	90%	24	1617	0.30	9.69	5853	184	7.03	
	95%	24	1737	0.32	10.80	6090	204	6.78	
	100%	24	1904	0.35	12.37	6400	235	6.51	
Note:Motor temperature is the bell temperature at 80% throttle. (Date above based on benchtest are for reference only, comparion with that of other motor types is not recommended.)									

Analysis Chart

Thrust/g



Packing List



MF1604VP×1Pair



Parts Bag×1

Before using this product, please check if all the items listed above are included in the packaging. If there are any missing items, please contact our online customer service or leave message to "onlinesales@ligpower.com" in time.

Note

- (1) Please make sure that screws of cover plates are mounted well.
- (2) Do not add force onto the propellers,
- (3) Fall-off or experience equivalent impact to propellers will lead to deformation or cracks. in this case, you will need to replace them with good ones.
- (4) NEVER decompose the propellers. Decomposition of which will result in safety issues. Do not use the propellers in hostile environments containing H2O,S02,N02,Cl2,organosilicon,cyanogroup and phenol.
- (5) Keep the propellers away from the mentioned environments in (4).

(6) For long time storage of over 6 months, please keep it in sealed preservation.