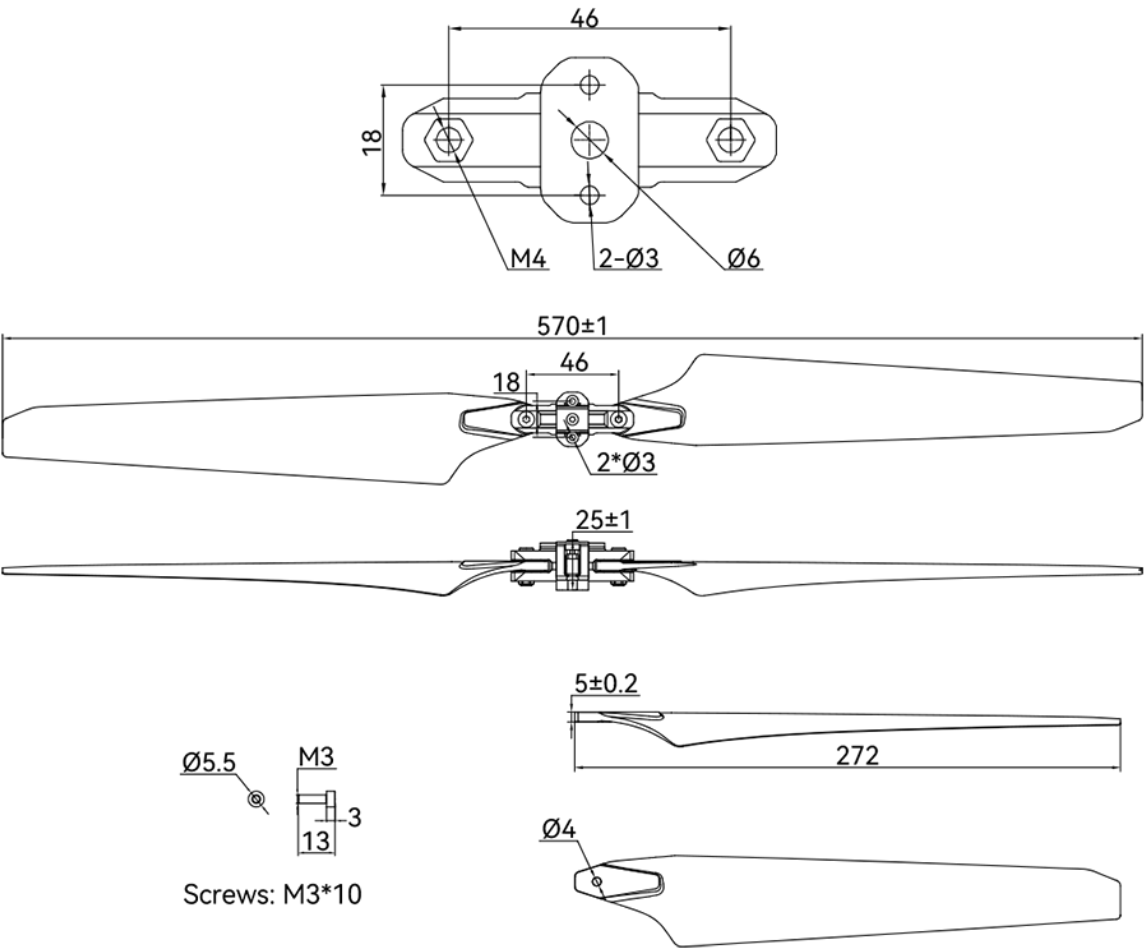




Specification

Model NO.	MF2211VP	LIGPOWER Series	Folding
Weight(Single Blade)	86.5g	Package Weight	286g
Diameter	22.4inch (568.96mm)	Package Size	300*106*45mm
Pitch	8inch (203.2mm)	Material	Polymer+CF
RecommendedThrust	1.5~5kg	Recommended Max Thrust	12kg
Ambient Temp	-40°C ~ 65°C	StorageTemp/Humidity	-10°C ~ 50°C/ < 85%
Recommendation			
Recommended ESC	FLAME 60A 12S V2.0/FLAME 180A 12S V2.0		Recommended Motor
			MN605 KV170

Test Data

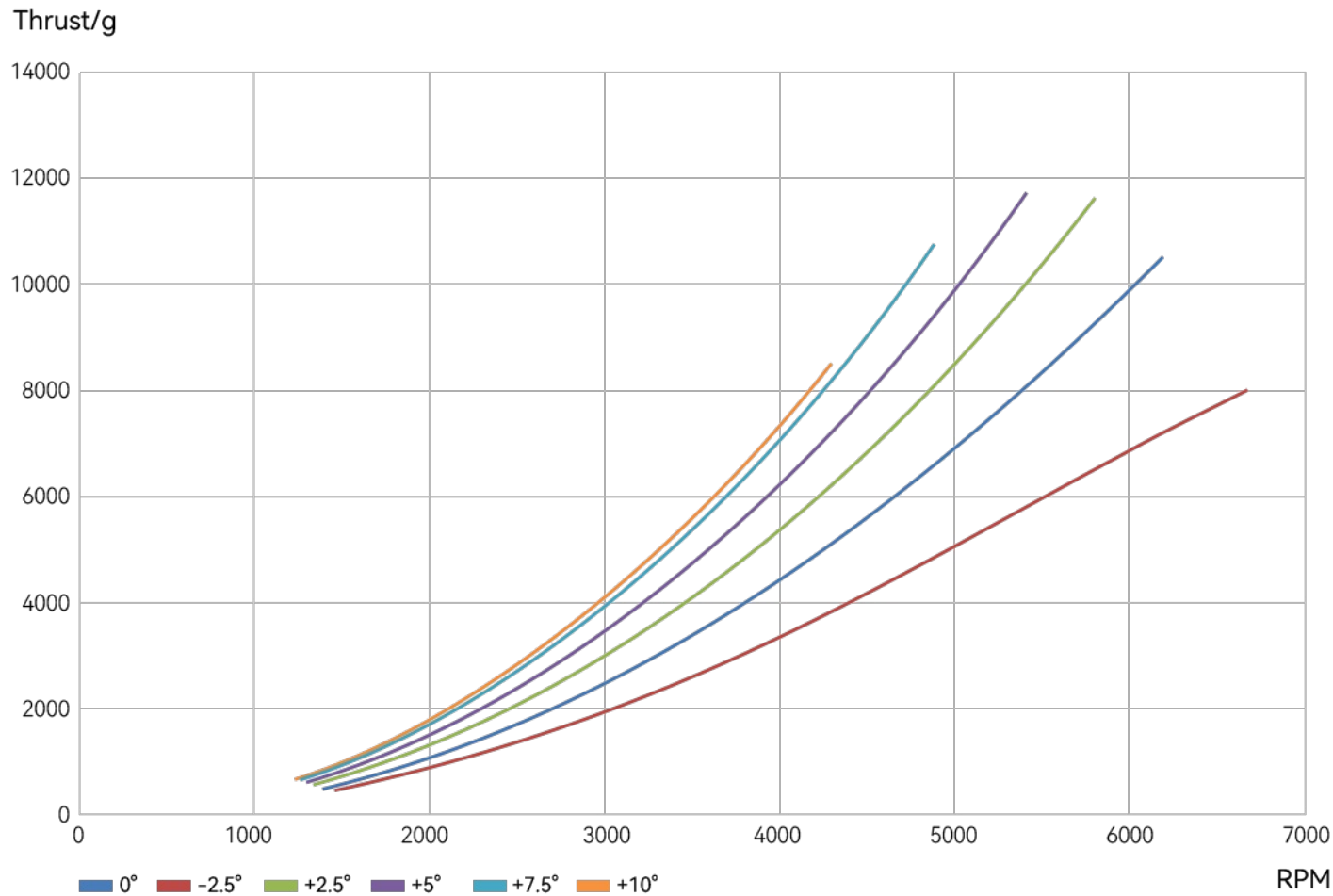
Type	Throttle	Voltage (V)	Thrust (g)	Torque (N*m)	Current (A)	RPM	Power (W)	Efficiency (g / W)	Operating Temperature (°C)
MN605 KV170 +	10%	48	482	0.15	0.81	1397	22	12.44	77 (Motor temperature after 3 minutes of
	15%	48	748	0.22	1.30	1712	39	12.02	
	20%	48	1043	0.30	1.90	1989	62	11.45	
	25%	48	1378	0.38	2.65	2262	90	10.86	
	30%	48	1763	0.49	3.58	2544	131	10.28	
	35%	48	2266	0.62	5.00	2869	186	9.47	
	40%	48	2891	0.78	7.04	3239	265	8.59	
	45%	48	3402	0.92	9.09	3512	338	7.84	
	50%	48	3961	1.06	10.95	3791	421	7.59	

FLAME 60A 12S V2.0 + MF2211VP (0°)	55%	48	4554	1.21	13.33	4052	513	7.17	operation) (Ambient Temperature:25°C)
	60%	48	5101	1.35	15.59	4290	606	6.88	
	65%	47	5670	1.49	18.28	4514	704	6.53	
	70%	47	6260	1.65	21.27	4764	823	6.21	
	75%	47	6885	1.81	24.48	4993	946	5.94	
	80%	47	7495	1.97	27.82	5220	1077	5.70	
	85%	47	8181	2.14	31.64	5443	1220	5.48	
	90%	47	8813	2.30	35.56	5661	1363	5.27	
	95%	47	9474	2.47	39.90	5862	1516	5.06	
	100%	47	10479	2.73	47.12	6185	1768	4.76	
MN605 KV170 + FLAME 60A 12S V2.0 + MF2211VP (+2.5°)	10%	48	563	0.17	0.85	1343	24	13.89	122 (Motor temperature after 3 minutes of operation) (Ambient Temperature:25°C)
	15%	48	875	0.27	1.45	1662	47	12.61	
	20%	48	1231	0.37	2.18	1950	76	11.80	
	25%	48	1618	0.48	3.13	2224	112	10.80	
	30%	48	2065	0.61	4.30	2498	160	10.04	
	35%	48	2598	0.76	5.96	2804	223	9.12	
	40%	48	3371	0.98	8.64	3185	327	8.17	
	45%	48	3906	1.14	10.74	3424	409	7.63	
	50%	48	4565	1.33	13.36	3681	513	7.17	
	55%	48	5211	1.51	16.35	3926	621	6.70	
	60%	47	5849	1.70	19.54	4160	741	6.30	
	65%	47	6413	1.86	22.41	4352	848	6.04	
	70%	47	7101	2.05	26.07	4595	986	5.76	
	75%	47	7740	2.24	29.97	4788	1123	5.47	
	80%	47	8444	2.44	34.28	4986	1274	5.23	
	85%	47	9163	2.64	38.94	5179	1432	5.01	
	90%	47	9840	2.84	44.00	5366	1596	4.78	
95%	47	10553	3.05	49.46	5551	1773	4.57		
100%	46	11590	3.35	58.25	5797	2034	4.29		
MN605 KV170 + FLAME 60A 12S V2.0 + MF2211VP (+5°)	10%	48	606	0.20	0.88	1306	27	14.28	103 (Motor temperature after 1 minutes of operation) (Ambient Temperature:25°C) (There is a risk of burnout)
	15%	48	954	0.31	1.57	1620	53	12.67	
	20%	48	1349	0.44	2.45	1908	88	11.47	
	25%	48	1782	0.57	3.57	2178	130	10.41	
	30%	48	2283	0.73	4.99	2446	187	9.56	
	35%	48	2872	0.91	6.94	2735	261	8.65	
	40%	48	3502	1.11	9.29	3021	351	7.89	
	45%	48	4264	1.36	12.58	3331	474	7.11	
	50%	48	4933	1.57	15.73	3575	588	6.59	
	55%	48	5606	1.79	19.15	3803	713	6.16	
	60%	47	6251	2.00	22.69	4018	842	5.81	
	65%	47	6940	2.22	26.84	4224	982	5.47	
	70%	47	7539	2.41	30.67	4402	1111	5.21	

	75%	47	8237	2.63	35.23	4598	1266	4.97	
	80%	47	8939	2.86	40.55	4768	1428	4.70	
	85%	47	9586	3.07	45.76	4925	1583	4.48	
	90%	47	10229	3.29	51.65	5082	1751	4.25	
	95%	46	10951	3.53	61.90	5246	1939	3.82	
	100%	46	11680	3.77	72.77	5405	2134	3.49	
MN605 KV170 + FLAME 60A 12S V2.0 + MF2211VP (+7.5°)	10%	48	655	0.24	0.98	1268	32	13.91	92 (Motor temperature after 30 Second of operation) (Ambient Temperature:25°C) (There is a risk of burnout)
	15%	48	1036	0.37	1.79	1582	61	12.06	
	20%	48	1464	0.53	2.84	1865	104	10.74	
	25%	48	1941	0.69	4.20	2132	154	9.65	
	30%	48	2454	0.87	5.84	2394	218	8.78	
	35%	48	3060	1.08	8.05	2664	301	7.96	
	40%	48	3731	1.32	10.82	2930	405	7.22	
	45%	48	4508	1.60	14.56	3216	539	6.51	
	50%	48	5191	1.85	18.39	3453	669	5.94	
	55%	47	5845	2.08	22.23	3658	797	5.55	
	60%	47	6500	2.32	26.43	3851	936	5.20	
	65%	47	7148	2.56	31.07	4033	1081	4.88	
	70%	47	7766	2.79	36.01	4208	1230	4.59	
	75%	47	8413	3.01	40.94	4356	1373	4.38	
	80%	47	9022	3.24	46.93	4502	1527	4.12	
	85%	46	9589	3.45	56.90	4625	1671	3.63	
	90%	46	9962	3.60	63.40	4713	1777	3.40	
	95%	46	10268	3.72	70.29	4784	1864	3.17	
	100%	46	10709	3.89	81.39	4878	1987	2.88	
MN605 KV170 + FLAME 60A 12S V2.0 + MF2211VP (+10°)	10%	48	660	0.28	1.08	1238	36	12.75	102 (Motor temperature after 20 Second of operation) (Ambient Temperature:25°C) (This angle is not recommended for static testing)
	15%	48	1074	0.43	2.00	1569	71	11.19	
	20%	48	1502	0.60	3.18	1846	116	9.87	
	25%	48	1992	0.78	4.73	2114	173	8.80	
	30%	48	2533	0.99	6.62	2371	246	8.00	
	35%	48	3142	1.23	9.10	2632	339	7.24	
	40%	48	3781	1.50	12.14	2887	454	6.54	
	45%	48	4583	1.83	16.75	3174	608	5.76	
	50%	47	5220	2.09	20.71	3387	741	5.32	
	55%	47	5824	2.35	24.98	3578	881	4.93	
	60%	47	6448	2.61	29.68	3754	1026	4.61	
	65%	47	7033	2.86	34.82	3925	1176	4.30	
	70%	47	7574	3.11	40.33	4069	1325	4.01	
	75%	47	8104	3.33	46.42	4206	1467	3.74	
	80%	46	8475	3.51	56.10	4293	1578	3.25	
	10%	48	455	0.12	0.78	1463	18	12.16	
	15%	48	680	0.18	1.16	1775	33	12.27	
	20%	48	923	0.24	1.67	2071	52	11.52	

MN605 KV170 + FLAME 60A 12S V2.0 + MF2211VP (-2.5°)	25%	48	1182	0.30	2.25	2332	73	10.95	57 (Motor temperature after 3 minutes of operation) (Ambient Temperature:25°C)
	30%	48	1478	0.37	2.93	2612	101	10.51	
	35%	48	1863	0.47	3.98	2939	145	9.78	
	40%	48	2350	0.58	5.45	3321	202	9.01	
	45%	48	2756	0.68	6.75	3617	258	8.55	
	50%	48	3181	0.77	8.28	3906	315	8.04	
	55%	48	3658	0.88	10.03	4191	386	7.64	
	60%	48	4068	0.97	11.70	4433	450	7.29	
	65%	48	4542	1.08	13.54	4697	531	7.04	
	70%	48	5011	1.19	15.68	4967	619	6.71	
	75%	48	5476	1.29	17.87	5221	705	6.45	
	80%	47	5927	1.40	20.17	5483	804	6.19	
	85%	47	6384	1.49	22.65	5739	896	5.94	
	90%	47	6905	1.61	25.70	6033	1017	5.68	
	95%	47	7360	1.70	28.33	6290	1120	5.50	
	100%	47	7985	1.83	32.29	6668	1278	5.25	
Note:Motortemperatureisthebelltemperatureat80%throttle. (Date above based on benchtest are for reference only, comparion with that of other motor types is not recommended.)									

Analysis Chart





MF2211VP×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.