



Specification

Test Item	MN4010 KV370	Report NO.	MN.00019
Internal Resistance	98mΩ	Configuration	18N24P
Shaft Diameter	4mm	Motor Dimensions	Φ44.7×30.5mm
Stator Diameter	40mm	Stator Height	10mm
AWG	18#	Cable Length	600mm
Weight Including Cables	137g	Weight Excluding Cables	112g
No.of Cells(Lipo)	4-8S	Idle Current@10v	0.8A
Max Continuous Power 180S	450W	Max Continuous Current 180S	20A
Test Item	MN4010 KV475	Report NO.	MN.00020
Internal Resistance	98mΩ	Configuration	18N24P
Shaft Diameter	4mm	Motor Dimensions	Φ44.7×30.5mm
Stator Diameter	40mm	Stator Height	10mm
AWG	18#	Cable Length	600mm

Weight Including Cables	137g	Weight Excluding Cables	112g
No.of Cells(Lipo)	4-8S	Idle Current@10v	0.8A
Max Continuous Power 180S	540W	Max Continuous Current 180S	30A
Test Item	MN4010 KV580	Report NO.	MN.00021
Internal Resistance	42mΩ	Configuration	18N24P
Shaft Diameter	4mm	Motor Dimensions	Φ44.7×30.5mm
Stator Diameter	40mm	Stator Height	10mm
AWG	18#	Cable Length	600mm
Weight Including Cables	137g	Weight Excluding Cables	112g
No.of Cells(Lipo)	4-8S	Idle Current@10v	1.3A
Max Continuous Power 180S	575W	Max Continuous Current 180S	31A

Test Data

Item No.	Voltage (V)	Prop	Throttle	Current (A)	Power (W)	Thrust (G)	RPM	Efficiency (G/W)	Operating Temperature (°C)	
MN4010 KV370	14.8	LIGPOWER 14*4.8CF	50%	2.1	31.08	360	3100	11.58	44	
			65%	3.1	45.88	510	3600	11.12		
			75%	4.1	60.68	640	3960	10.55		
			85%	5.4	79.92	810	4400	10.14		
			100%	6.5	96.20	920	4700	9.56		
		LIGPOWER 15*5CF	50%	2.3	34.04	430	2800	12.63	44	
			65%	3.8	56.24	640	3400	11.38		
			75%	5.1	75.48	820	3800	10.86		
			85%	6.9	102.12	1020	4250	9.99		
			100%	8.2	121.36	1160	4450	9.56		
	LIGPOWER 16*5.4CF	50%	2.5	37.00	500	2650	13.51	45		
		65%	4.3	63.64	770	3300	12.10			
		75%	6.1	90.28	970	3650	10.74			
		85%	8	118.40	1200	4000	10.14			
		100%	9.6	142.08	1380	4300	9.71			
			LIGPOWER 12*4CF	50%	3	66.60	600	5000	9.01	40
				65%	4	88.80	730	5600	8.22	
				75%	5	111.00	860	6200	7.75	
				85%	6.6	146.52	1090	6800	7.44	
				100%	7.7	170.94	1200	7300	7.02	
					50%	3.1	68.82	650	4800	9.44

22.2	LIGPOWER 13*4.4CF	65%	4.3	95.46	810	5300	8.49	47
		75%	5.5	122.10	970	6000	7.94	
		85%	7.1	157.62	1160	6700	7.36	
		100%	8.5	188.70	1340	7100	7.10	
	LIGPOWER 14*4.8CF	50%	3.5	77.70	780	4400	10.04	51
		65%	5.7	126.54	1060	5100	8.38	
		75%	7.6	168.72	1310	5700	7.76	
		85%	9.8	217.56	1590	6300	7.31	
		100%	11.7	259.74	1830	6600	7.05	
	LIGPOWER 15*5CF	50%	4.2	93.24	940	3900	10.08	52
		65%	7	155.40	1300	4800	8.37	
		75%	9.3	206.46	1620	5350	7.85	
		85%	12.2	270.84	1950	5700	7.20	
		100%	14.6	324.12	2240	6100	6.91	

Notes:The test condition of temperature is motor surface temperature at 100% throttle while the motor run 10min.

MN4010 KV475	14.8	LIGPOWER 13*4.4CF	50%	2.8	41.44	410	4000	9.89	40
			65%	3.9	57.72	550	4500	9.53	
			75%	5	74.00	680	5000	9.19	
			85%	6.7	99.16	840	5500	8.47	
			100%	7.9	116.92	940	5860	8.04	
		LIGPOWER 14*4.8CF	50%	3.2	47.36	510	3600	10.77	47
			65%	5.1	75.48	730	4300	9.67	
			75%	6.8	100.64	910	4700	9.04	
			85%	8.8	130.24	1110	5150	8.52	
			100%	10.7	158.36	1280	5300	8.08	
		LIGPOWER 15*5CF	50%	3.5	51.80	590	3300	11.39	47
			65%	6.4	94.72	900	4000	9.50	
			75%	8.5	125.80	1130	4500	8.98	
			85%	11.3	167.24	1370	4900	8.19	
			100%	13.3	196.84	1550	5200	7.87	
	LIGPOWER 16*5.4CF	50%	4.2	62.16	710	3100	11.42	49	
		65%	7.3	108.04	1060	3800	9.81		
		75%	9.8	145.04	1340	4200	9.24		
		85%	12.8	189.44	1590	4600	8.39		
		100%	15.5	229.40	1800	4900	7.85		

22.2	LIGPOWER 12*4CF	50%	4.5	99.90	770	5700	7.71	50
		65%	6.1	135.42	960	6500	7.09	
		75%	8.2	182.04	1180	7000	6.48	
		85%	10.6	235.32	1440	7800	6.12	
		100%	12.9	286.38	1680	8300	5.87	
	LIGPOWER 13*4.4CF	50%	4.8	106.56	810	5600	7.60	52
		65%	6.6	146.52	1070	6300	7.30	
		75%	8.9	197.58	1320	6900	6.68	
		85%	11.7	259.74	1630	7600	6.28	
		100%	14.1	313.02	1870	8100	5.97	

Notes:The test condition of temperature is motor surface temperature at 100% throttle while the motor run 10min.

MN4010 KV580	14.8	LIGPOWER 13*4.4CF	50%	4.6	68.08	680	4800	9.99	41
			65%	6.2	91.76	820	5400	8.94	
			75%	8.3	122.84	1030	6000	8.38	
			85%	11.1	164.28	1300	6700	7.91	
			100%	13.2	195.36	1420	7100	7.27	
	LIGPOWER 14*4.8CF	50%	5.3	78.44	710	4200	9.05	49	
		65%	8.6	127.28	1000	5000	7.86		
		75%	11.4	168.72	1200	5500	7.11		
		85%	15.2	224.96	1500	6200	6.67		
		100%	18.1	267.88	1750	6600	6.53		
	LIGPOWER 15*5CF	50%	5.8	85.84	770	4000	8.97	50	
		65%	10	148.00	1190	4800	8.04		
		75%	13.4	198.32	1450	5300	7.31		
		85%	17.6	260.48	1800	5800	6.91		
		100%	21.2	313.76	2000	6200	6.37		

Notes:The test condition of temperature is motor surface temperature at 100% throttle while the motor run 10min.

Packing List



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.