



M9OC60 EEE Brushless DC Motor Manned Drone

Our Product Introduction

for more products please visit us on uav-vtoldrone.com

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: GS
- Model Number: M9OC60 EEE 9KV
- Price: Negotiable
- Delivery Time: 6-8
- Payment Terms: T/T
- Supply Ability: 100



Product Specification

- Motor Model: M9OC60 EEE V1.0
- Motor Size: D:257x123 Mm
- Propeller Mounting Holes: D:75 M8x6
- Shaft Diameter: IN: 35 Mm
- Bearing: 6007ZZ*2
- Cable Length: 250 Mm (extended Enameled Wires)
- Rotor Balance: ≤ 20 Mg
- Motor Balance: ≤ 30 Mg
- Motor Mounting Holes: D:140 M8x6
- Disruptive Test: 1000 V
- Highlight: **M9OC60 EEE Brushless DC Motor, Brushless DC Motor Manned Drone**



More Images



Product Description

M9OC60 EEE Brushless DC Motor Manned Drone

Product Specifications

Attribute	Value
Motor Model	M9OC60 EEE V1.0
Motor Size	D:257x123 mm
Propeller Mounting Holes	D:75 M8x6
Shaft Diameter	IN: 35 mm
Bearing	6007ZZ*2
Cable Length	250 mm (extended Enameled wires)
Rotor Balance	≤20 mg
Motor Balance	≤30 mg
Motor Mounting Holes	D:140 M8x6
Disruptive test	1000 V

Key Features

- Output of 45kW (continuous thrust 110kg), equivalent to 61 hp
- Compatible with 72*31" inch carbon fiber propeller
- Recommended FOC ESC, Prop HB110-72x31 drone arm system

Technical Specifications

RPMNV

9 KV

Nominal Voltage

354~400V

No Load Current

1.44A 1 40V

Internal resistance

40.5mΩ

Motor Weight

12.7 kg

Product Boxed Weight

14 kg

Maximum Current

150.8 A

Maximum Power

55.6 KW

Maximum thrust

200.1 kg

Maximum Torque

178.9 Nm

Recommended ESC

SineSic Pro 160A 30KW(150V~435V)

Recommended Propellers

72x31

M90C60

ENERGY EFFICIENT 9KV
ENTHUSIASTS EXTREME EDITION

70~100 kgf

RECOMMENDED
HOVER THRUST

200.1 kgf

MAXIMUM
THRUST

MAXIMUM THRUST MAY DEPEND ON
BATTERY LEVEL, PROPELLER TYPE,
AIR PRESSURE AND OTHER CONDITIONS

OPTIMIZED
WEIGHT

12.7 kg

EFFICIENCY >90%



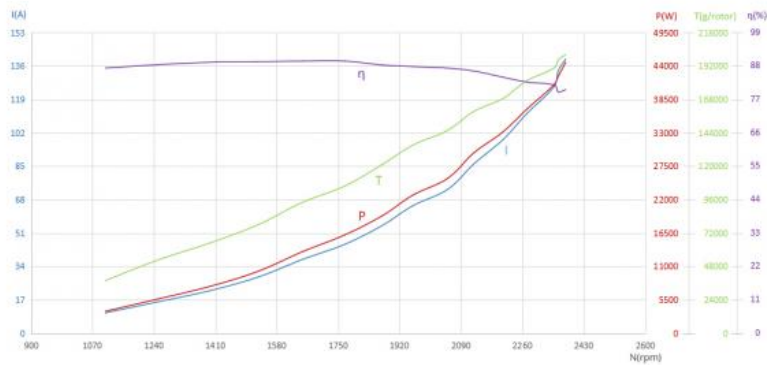
MAD M90C60 EEE 9KV CB2 PROP 72x31 MATT SineSic Pro 160A 30KW (150V~435V)

400V

Analytical Graph of Motor Operation

I - Current, P - Input Power, η - Electrical Efficiency, T - Thrust, N - Rotational Speed

The data above was measured with an input voltage of 400 V, at a temperature of 25°C and sea level. The rotational speed was adjusted by the throttle.

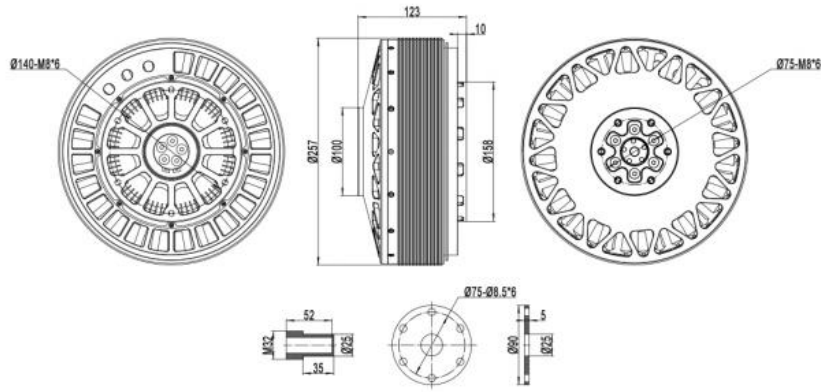


Motor Data

Motor Model	MAD M90C60 EEE V1.0	Number of pole pairs	21
Stator	TAIWAN / Anticorrosive	Varnished wire Degree	220°C
Motor Size	D:257 × 123 mm	Magnet Degree	180°C
Degree of Protection	Rain protection	Cable Length	250 mm (extended Enameled wires)
Centrifugal Heat Dissipation	Independent	Rotor Balance	≤20 mg
Propeller Mounting Holes	D:75 M8×6	Motor Balance	≤30 mg
Shaft Diameter	IN: 35 mm	Motor Mounting Holes	D:140 M8×6
Bearing	SKF 6007ZZ *2	Disruptive test	1000 V
Additional Accessories	Propeller Plate *1, Locate Pin *1, M8*30mm *6 Motor Screws, M8*90mm *6 / M8*55mm *6 Propeller Screws, Sticker*2		

Specifications

RPM/V	9 KV	Nominal voltage	354~400V
No Load Current	1.44A / 40V	Internal resistance	40.5mΩ
Motor Weight	12.7 kg	Product Boxed Weight	14 kg
Maximum Current	150.8 A	Maximum Power	55.6 KW
Maximum thrust	200.1 kg	Maximum Torque	178.9 Nm
Recommended ESC	SineSic Pro 160A 30KW (150V~435V)	Recommended Propellers	72x31
UAV take-off weight	100S-72 / 360kg-Quadcopter 540kg-Hexacopter 720kg-Octocopter	Single rotor take-off weight	70kg ~ 100kg



MAD M90C60 EEE 9KV CB2 PROP 72x31 MATT SineSic Pro 160A 30KW (150V~435V)

354V

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	353.69	11.94	4223.1	3722.8	32.318	1100	38132	88.2	9.0
35	353.63	17.22	6089.5	5440.9	41.400	1255	50974	89.3	8.4
40	353.61	24.73	8744.8	7802.1	53.370	1396	65229	89.2	7.5
45	353.65	32.35	11440.6	10256.7	64.268	1524	77400	89.7	6.8
50	353.61	40.63	14367.2	12926.4	74.675	1653	88799	90	6.2
55	353.53	49.85	17623.5	15791.1	85.339	1767	104749	89.6	5.9
60	353.54	60.93	21541.2	19180.5	97.842	1872	118748	89	5.5
65	353.51	72.74	25714.3	22698.6	110.140	1968	134255	88.3	5.2
70	353.39	83.41	29476.3	25959.0	120.335	2060	144578	88.1	4.9
75	353.41	97.79	34560.0	29911.6	133.474	2140	158014	86.5	4.6
80	353.4	111.75	39492.4	33693.7	144.933	2220	170431	85.3	4.3
85	353.26	131.27	46372.4	38383.2	160.760	2280	183080	82.8	3.9
90	353.23	146.61	51787.1	42240.5	172.379	2340	194407	81.6	3.8
95	353.22	151.81	53622.3	43387.9	174.673	2372	194858	80.9	3.6
100	353.23	150.8	53267.1	42694.9	172.757	2360	192735	80.2	3.6

MAD M90C60 EEE 9KV CB2 PROP 72x31 MATT SineSic Pro 160A 30KW (150V~435V)

400V

Throttle [%]	Voltage [V]	Current [A]	Input Power [W]	Output Power [W]	Torque [N·m]	RPM	Thrust [gf]	Efficiency [%]	Efficiency [gf/W]
30	399.37	10.28	4105.5	3584.5	30.949	1106	37713	87.3	9.2
35	399.39	15.8	6310.4	5576.2	42.633	1249	52294	88.4	8.3
40	399.41	21.56	8611.3	7678.8	52.564	1395	64712	89.2	7.5
45	399.31	28.46	11364.4	10159.0	63.489	1528	77799	89.4	6.8
50	399.31	37.5	14974.1	13419.4	77.570	1652	94009	89.6	6.3
55	399.32	45.22	18057.3	16177.6	87.329	1769	105734	89.6	5.9
60	399.29	54.85	21901.1	19348.8	98.648	1873	121243	88.3	5.5
65	399.19	64.82	25875.5	22714.3	110.836	1957	135071	87.8	5.2
70	399.24	72.99	29140.5	25427.1	118.329	2052	145502	87.3	5.0
75	399.16	86.31	34451.5	29741.9	133.528	2127	159487	86.3	4.6
80	399.14	98.38	39267.4	33115.5	143.350	2206	168537	84.3	4.3
85	399.06	111.66	44559.0	36852.4	154.892	2272	181329	82.7	4.1
90	399.04	125.57	50107.5	40936.6	166.489	2348	190526	81.7	3.8
95	398.9	133.75	53352.9	42354.6	171.380	2360	196373	79.4	3.7
100	398.6	139.51	55608.7	44598.2	178.955	2380	200164	80.2	3.6

Our Services

1 Year Warranty included for your peace of mind

14-day return policy for unsatisfied customers (contact required before return)

3-month replacement guarantee for defective items (no extra charge)

Post-3-month replacement available (customer covers return shipping)



Frequently Asked Questions

Q: Do you support OEM/ODM?

A: Yes, we can print your logo on the product.

Q: About samples.

A: Samples are typically ready within 7 days (10-20 days for OEM/ODM). Sample fee and shipping charges apply.

Q: What is the delivery time?

A: Regular orders ship within 15 days; OEM/ODM orders within 25-45 days (quantity dependent). We notify customers of any delays.

Q: What is the minimum order quantity?

A: No MOQ - wholesale orders accepted starting from 1 piece, including OEM/ODM.

Q: What are your payment terms?

A: We accept L/C or 100% TT payment.

Q: Can you reduce the shipping cost?

A: We always select the most economical and secure shipping option. Customers may arrange their own shipping if preferred.

Q: Return policy.

A: Replacement requests must be made within 7 days of receipt. Items must be in original condition, with return shipping at customer's expense.



Guangzhou Gesai Intelligent Electronic Technology Co., Ltd.



Kellyyangjing2021@outlook.com



uav-vtoldrone.com

Fuli Yingtong Building, the Pearl River New Town, Tianhe District, Guangzhou, Guangdong, China