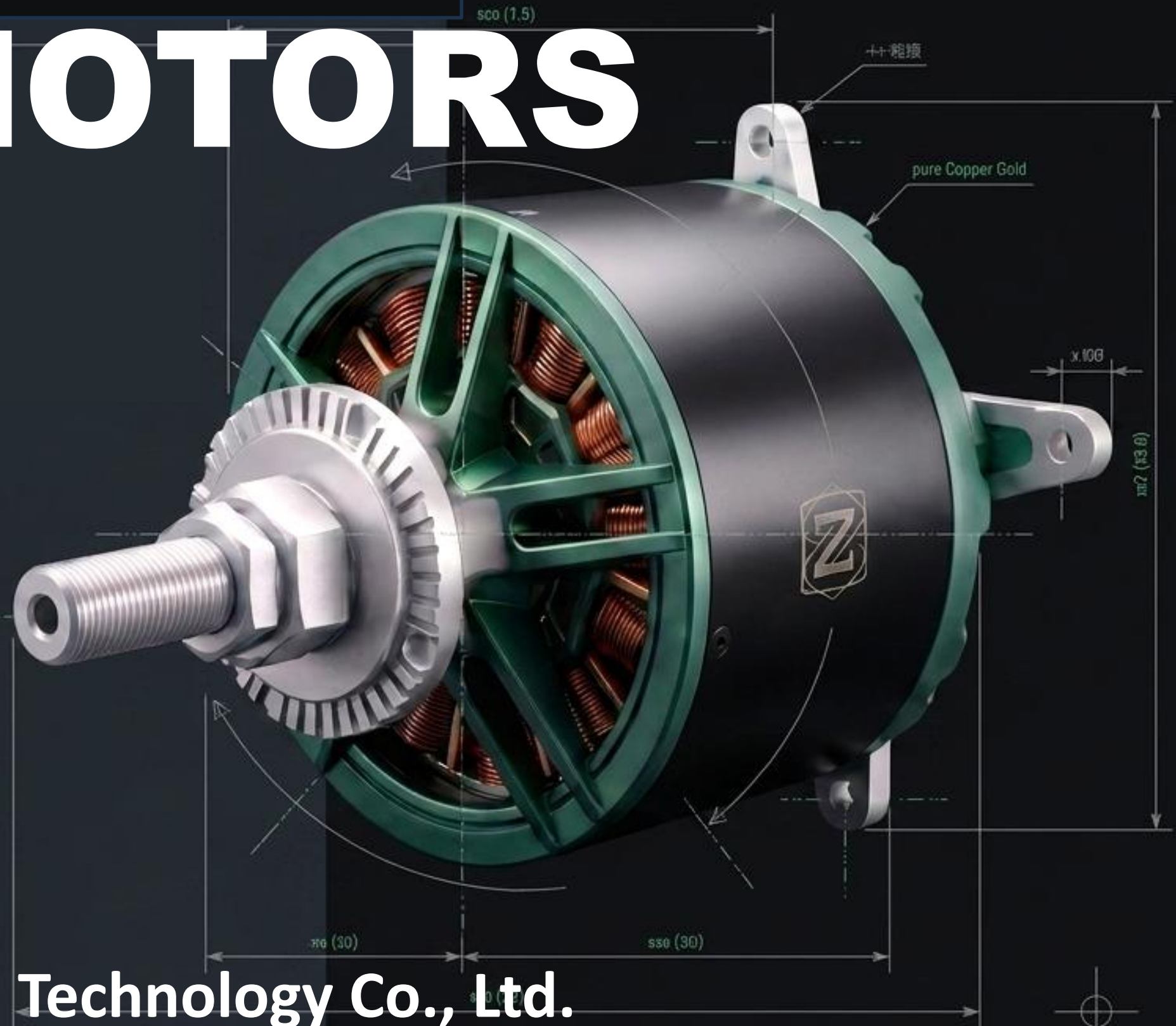


DRONE MOTORS 2026

Intelligent Drive
Systems for Drones,
AGVs, AMRs, &
Robots



iMeier Green Technology Co., Ltd.

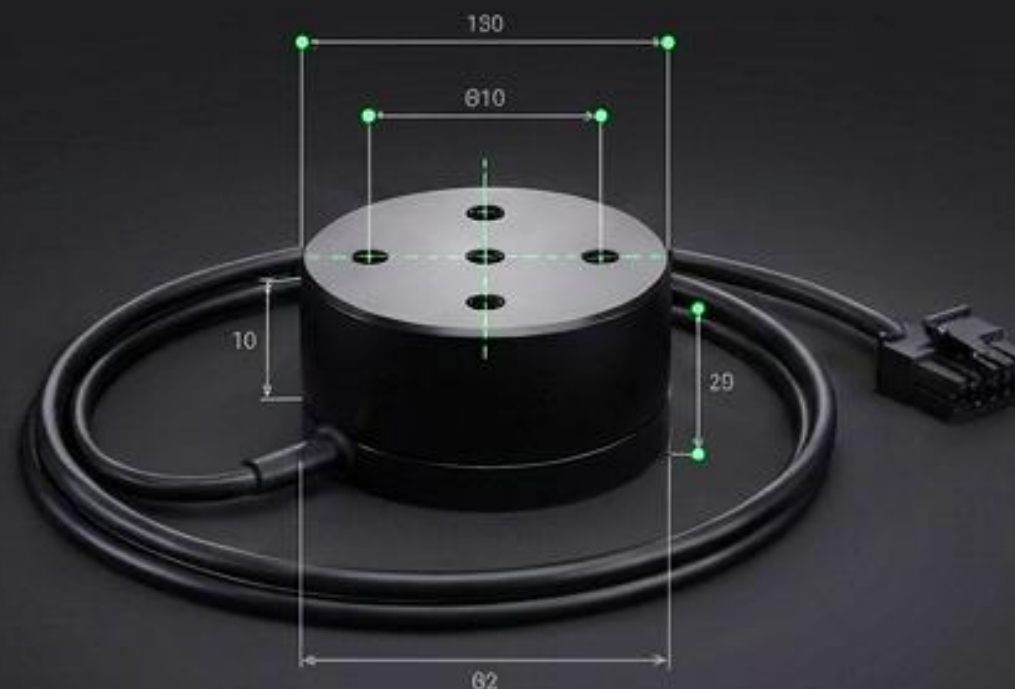
Ground Applications



Frameless Motor Series

For AGV/AMR or Robotic Joint
high torque applications

Micro-Stabilization



Gimbal Miniature Motor Series

For optical equipment and
sensor applications

Aerial Propulsion

ZAU



Drone Motor Series

For balanced and high thrust
applications

Robotic Application: Frameless Torque Joint Motor

ZAU AMR/AGV Motor Series

High Density Copper Stator

Custom design with excellent heat dissipation
& high torque joint motor for Robot

Magnetic Rotator Ring

Low cogging torque design enables AGV/AMR
having smooth rotation even at a very low speed



2004 Gimbal Miniature Series

Ultra low profile to increase the system stability

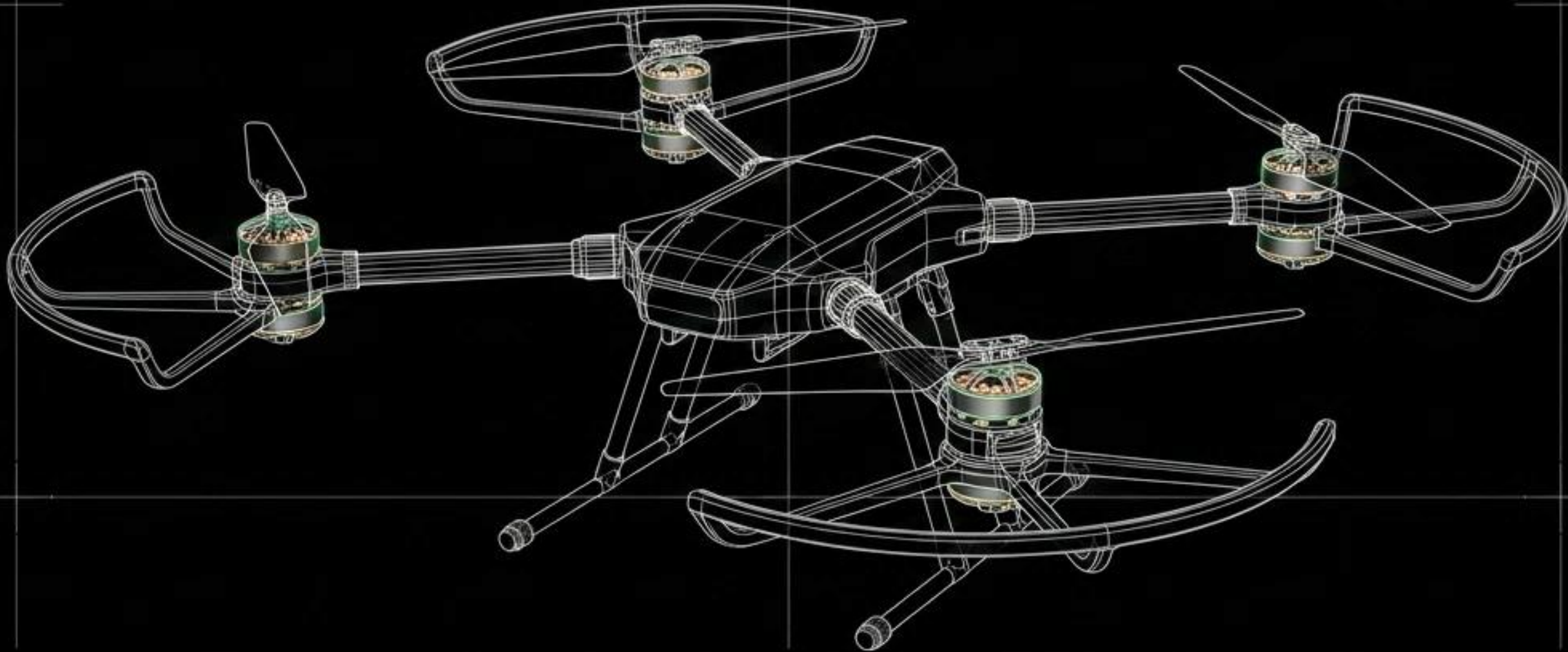


Seamless Integration

For smart phone gimbal application, ultra low profile increase the operational stability

無縫整合

專為智慧型手機雲台、輕量光學有效載重與微型增穩系統設計的超低高度架構，完美實現無縫整合。



Professional Drone Series: Aerospace-grade thrust

Offering precision and balanced BLDC PM motor product line

For commercial drone's Agility, Effective Load Capacity, Desired Cruise Range

Effective Coverage

Balancing the Thrust and Carrying Weight





Z3115 Professional Series (1050KV)

Ultra high-speed thrust, optimized for high-agility multi-rotor and lightweight FPV mapping platforms.

3.2 – 3.8 kg

Thrust rating

9 – 10"

Suggested blade size

112 g

Motor weight

19,000

Motor max. speed



Z4255 Professional Series (620KV)

A versatile commercial heavy-duty platform. Perfectly suited for standard commercial logistics delivery, continuous aerial monitoring, and medium-duty mapping platforms.

3 – 5 kg

Thrust rating

14 – 16"

Suggested blade size

270 g

Motor weight

1.2 – 1.4 kW

Power level

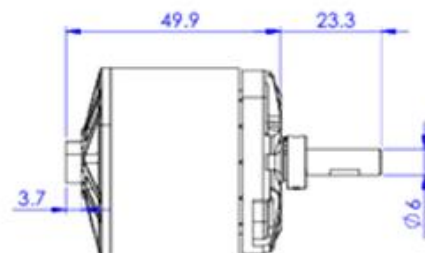
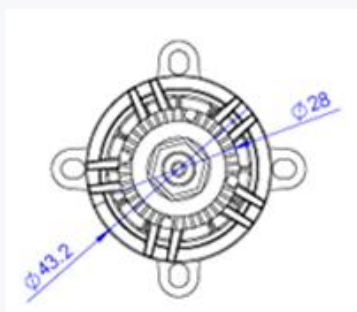
4255 無人機馬達規格

UAV MOTOR SPECIFICATION



優化設計 效率更高

Optimized Design. Maximum Efficiency



規格參數 SPECIFICATIONS

• 最大功率 / Max Watts (W)	1240
• 適用電池 / Battery Pack	5-6S LiPo
• 最高電壓 / Max Voltage (V)	25.2 V
• 最大電流 / Max Current (A)	62
• KV值 / KV (RPM/V)	620
• 空載電流 I_0 @10V / No load Current (A)	1.5
• 內阻 / Resistance (Ω)	16
• 效率 / Efficiency	約88%

• 重量 / Weight	270 g
• 尺寸(mm) / Motor size	43.2 × 49.9
• 最大推力 / Thrust	約4.5kg
• 建議槳尺寸 / Prop (inch)	12× 7E ~ 14× 7E
• 軸徑 / Shaft diameter	6mm
• ESC 建議 / Recommended ESC	80A
• 工作溫度 / Operating Temperature	-10° C ~ 80° C



Z5060 Professional Series (490KV)

Designed for sustained high torque performance. Ensures confident and maneuverable handling of heavy payloads even in complex atmospheric conditions.

6 – 10 kg

Thrust rating

15 – 18"

Suggested blade size

2.31 Nm

Max. torque

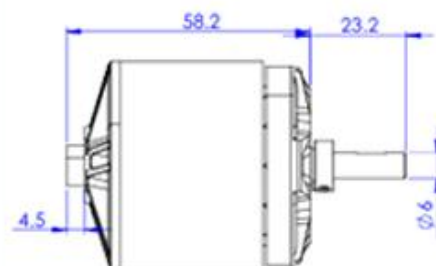
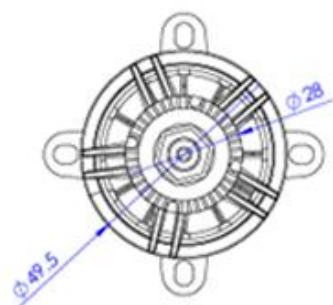
2.3 kW

Power level

ZAU 5060 無人機馬達規格

UAV MOTOR SPECIFICATION

⚡
優化設計 效率更高
Optimized Design. Maximum Efficiency



規格參數 SPECIFICATIONS

• 最大功率 / Max Watts (W)	2280
• 適用電池 / Battery Pack	5-6S LiPo
• 最高電壓 / Max Voltage (V)	25.2
• 最大電流 / Max Current (A)	95
• KV值 / KV (RPM/V)	490
• 空載電流 $I_0@10V$ / No load Current (A)	1.8
• 內阻 / Resistance (Ω)	14
• 效率 / Efficiency	約90%

• 重量 / Weight	392
• 尺寸(mm) / Motor size	49.5 × 58.2
• 最大推力 / Thrust	約7kg
• 建議槳尺寸 / Prop (inch)	15× 8E ~ 17× 8E
• 軸徑 / Shaft diameter	6mm
• ESC 建議 / Recommended ESC	120A
• 工作溫度 / Operating Temperature	-10°C ~ 80°C
•	

Z7224 Professional Series (190KV)

Extremely heavy-duty mounting architecture. Capable of generating massive and continuous thrust, designed specifically for agricultural spraying, heavy transport, and film-grade camera arrays.



17.72 kg

Thrust rating

21 – 24"

Suggested blade size

~6 kW

Power level

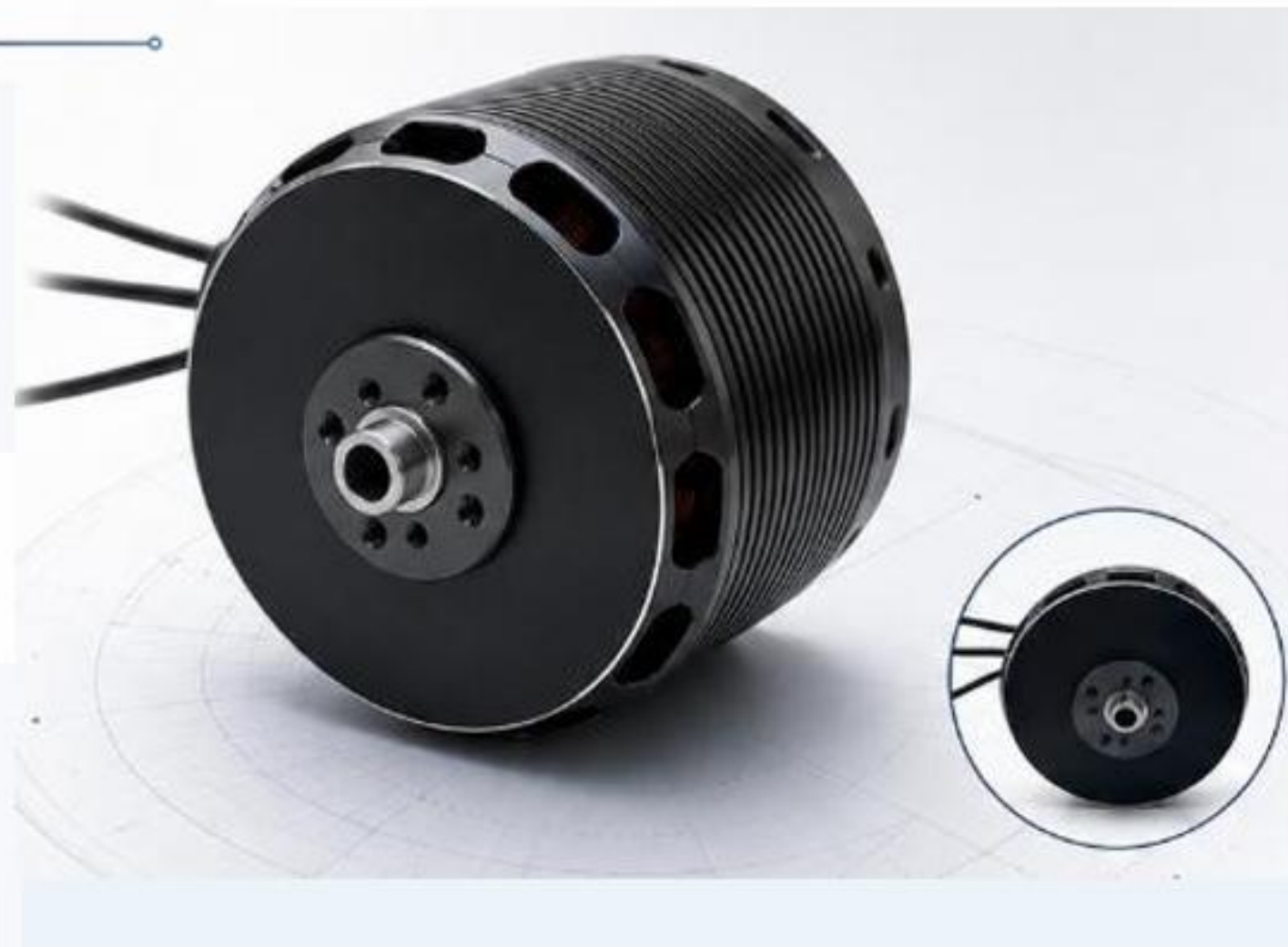
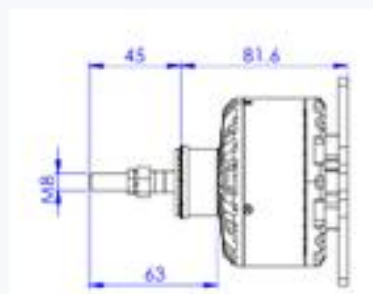
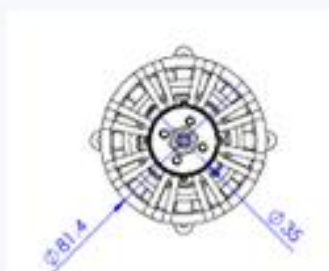
780 g

Motor weight

7224 無人機馬達規格

UAV MOTOR SPECIFICATION

⚡
優化設計 效率更高
Optimized Design. Maximum Efficiency



規格參數 SPECIFICATIONS

• 最大功率 / Max Watts (W)	6000
• 適用電池 / Battery Pack	10-12S LiPo
• 最高電壓 / Max Voltage (V)	50.4
• 最大電流 / Max Current (A)	135
• KV值 / KV (RPM/V)	190
• 空載電流 I_0 @10V / No load Current (A)	3.14
• 內阻 / Resistance (Ω)	24
• 效率 / Efficiency	約93%

• 重量 / Weight	780
• 尺寸(mm) / Motor size	81.4 × 66.9
• 最大推力 / Thrust	約17.72kg
• 建議槳尺寸 / Prop (inch)	24× 10 ~ 25× 12
• 軸徑 / Shaft diameter	10mm
• ESC 建議 / Recommended ESC	160A HV
• 工作溫度 / Operating Temperature	-20° C ~ 100° C

Demo Drone with Z7224 Motors



Overall specification matrix: Electrical and Power parameters

	Z3115 (1050KV)	Z4255 (620KV)	Z5060 (490KV)	Z7224 (190KV)
Power level (kW)	~1.0-1.3	~1.2-1.4	~2.3	~6
Battery cell numbers (S)	5-8	4-6	5-6	10-12
Max. Voltage (V)	~33.6	~25.2	~25.2	~50.4
Peak current (A)	~56	~60-70	95	135

Overall specification matrix: Mechanic and Output parameters

	Z3115 (1050KV)	Z4255 (620KV)	Z5060 (490KV)	Z7224 (190KV)
Weight (g)	~112	~270	392	~780
Propulsion rating (kg)	~3.2-3.8	~3-5	~6-10	17.72
Suggested blade size (in)	~9-10	~14-16	15-18	21-24
Max. speed (RPM)	~19,000	~15,624	~12,348	~9,576
Max. torque (Nm)	~0.9-1.1	~1.0-1.3	2.31	~6.0
Dimensions (mm)	Ø37.5 x 49.5	Ø42 x 55	Ø49.5 x 58.2	Ø81.4 x 66.9
Shaft diameter (mm)	~5	~5	6	10
Rotor balance level	G4.0	G4.0	G4.0	G2.5



Make a Worthy Tomorrow

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For B2B partnerships, supply chain integration, and investment inquiries.