ROTOMAG
water energy motion



UAV BLDC motors



PRECISION MOTOR SOLUTIONS

Excellence in Motion Technology
Three Decades of Engineering



OUR MISSION

To provide world-class motor that serves as the reliable foundation for advanced unmanned systems and industrial automation.

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For over three decades, Rotomag Enertec Ltd has been a leading force in the design and manufacture of high-performance electric motors. Our heritage is built on engineering reliability across a vast spectrum of motion technologies. We don't just supply motors; we manufacture the power that drives modern industry.

While our expertise spans the entire landscape of motor technology, our focus remains on providing the highest quality Motors. We provide the essential hardware building blocks that allow UAV developers and industrial engineers to integrate high-performance movement into their specialized platforms.









OUR MANUFACTURING CORE

As an original manufacturer, our capability extends across a comprehensive range of motor architectures, including: AC & DC Motors: Proven, rugged designs for diverse industrial applications, Advanced BLDC & PMSM, Geared & Ungeared Systems: Custom torque delivery solutions for specific mechanical requirements.

Manufacturing Legacy: 30+ years of experience ensures that every motor is built with matured quality control and expertise.

Component Specialists: We focus strictly on what we do best—the motor. This specialization allows us to offer deeper technical specifications and higher hardware reliability.

Global Reliability: Millions of Rotomag motors are currently in operation across global industrial sectors.

PRODUCTS

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RE1405





RE2207

MODEL	RE1405	RE2207
KV Rating	4500KV	1960KV
Motor Size (D x H mm)	ϕ 20.3 x 13.5	ϕ 27.5 x 19.2
Shaft Dia. (mm)	1.5mm	5
Max Power (W)	429	499
Max Current(A)	26.8	36.5
Operating Voltage	4S	2-6S
Phase Resistance (mΩ)	316	93
Max Thrust (kg)	575g(4S)	1.35Kg(6S)
Recommended UAV Size	2-3 inch racing drone	5 inch racing drone
Motor Net Wt. (g)	14.6	33
Mounting Dia	M2 - 9mm x 9mm	M3 - 16mm x 16mm



TYPICAL APPLICATIONS:

- 2-3 inch racing drone
- FPV

PRODUCTS

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RE2807





RE6215

MODEL	RE2807	RE6215
KV Rating	1350KV	200KV
Motor Size (D x H mm)	ϕ 33 x 19.6	ϕ 69 x 39.7
Shaft Dia. (mm)	5	6
Max Power (W)	513	2,541
Max Current(A)	36	79.8
Operating Voltage	2-6S	10-12S
Phase Resistance (mΩ)	72	63
Max Thrust (kg)	1.82 (6S)	13.6 (12S)
Recommended UAV Size	6-7 inch FPV	22-inch drones
Motor Net Wt. (g)	52	241
Mounting Dia	M3 - 19mm x 19mm	M3 - 12mm x 18mm



TYPICAL APPLICATIONS:

- 5 inch racing drone
- Light weight mapping
- Small agriculture
- Education drones

PRODUCTS

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RE6218





RE8313

MODEL	RE6218	RE8313
KV Rating	260KV	120KV
Motor Size (D x H mm)	ϕ 69 × 42.7	ϕ 91 x 40
Shaft Dia. (mm)	6	10
Max Power (W)	5,307	3,104
Max Current(A)	112.2	57.87
Operating Voltage	10-12S	12-14S
Phase Resistance (mΩ)	33.8	65
Max Thrust (kg)	16 (12S)	14.6 (14S)
Recommended UAV Size	22-inch drones	30-inch drones
Motor Net Wt. (g)	409	541
Mounting Dia	M3 - 12mm x 18mm	M3 - 31mm x 31mm



TYPICAL APPLICATIONS:

- Mid-range agriculture • Light logistics,
- Industrial inspection • Entry-level heavy lift
- Small sprayers • Multi-rotor platforms

PRODUCTS

ROTOMJG
water energy motion

RE10018





RE10822

MODEL	RE10018	RE10822
KV Rating	100KV	85KV
Motor Size (D x H mm)	ϕ 109 × 43.7	ϕ 117 × 52.5
Shaft Dia. (mm)	10	14
Max Power (W)	6502	7875
Max Current(A)	121	151.85
Operating Voltage	12-14S	12-14S
Phase Resistance (mΩ)	52	27
Max Thrust (kg)	27.9 (14S)	37.8 (12S)
Recommended UAV Size	60-100 inch drones	80-120 inch drones
Motor Net Wt. (g)	795	1202
Mounting Dia	M4 - 31mm x 31mm	M4 - 31mm x 36mm



TYPICAL APPLICATIONS:

- Small-to-medium agricultural sprayers
- Mapping/surveying drones
- Mid-to-large agricultural sprayers
- light logistics

PRODUCTS

ROTOMAG
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RE13725





RE15623

MODEL	RE13725	RE15623
KV Rating	60KV	45KV
Motor Size (D x H mm)	ϕ 147 x 63	ϕ 166 x 66.2
Shaft Dia. (mm)	15	19
Max Power (W)	11385	13608
Max Current(A)	194	197
Operating Voltage	12-14S	12-14S
Phase Resistance (mΩ)	18	21
Max Thrust (kg)	57.4 (16S)	73 (18S)
Recommended UAV Size	100-160 inch drones	120-200 inch drone
Motor Net Wt. (g)	2037	2320
Mounting Dia	M6 - 40mm x 40mm	M6 - 46mm x 46mm



TYPICAL APPLICATIONS:

- Heavy-lift logistics • Large agricultural sprayers
- Mapping drones • Ultra-heavy-lift logistics
- eVTOL • large cargo drones

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DC MOTORS FOR INDUSTRIAL APPLICATIONS

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ROTOMAG ENERTEC LIMITED
(Formerly known as Rotomag Motors and Controls Pvt. Ltd.)
2102/03 & 04, GIDC, Vitthal Udhyognagar,
Near Anand - 388121, Gujarat, India

Phone : +91 92746 84894 / +91 93771 73406
Email : sales@rotomag.com
Web : www.rotomag.com