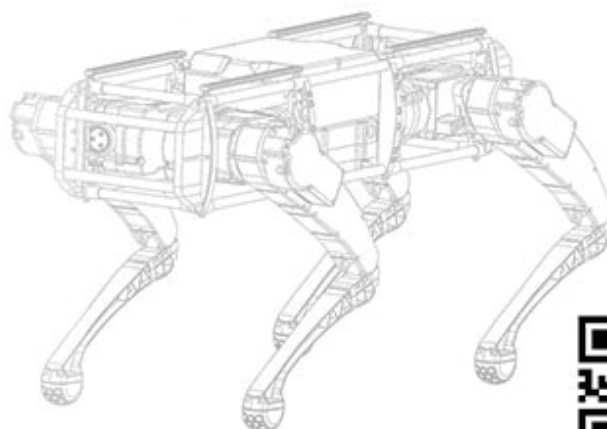
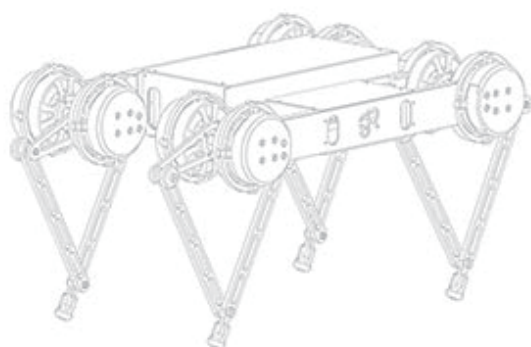
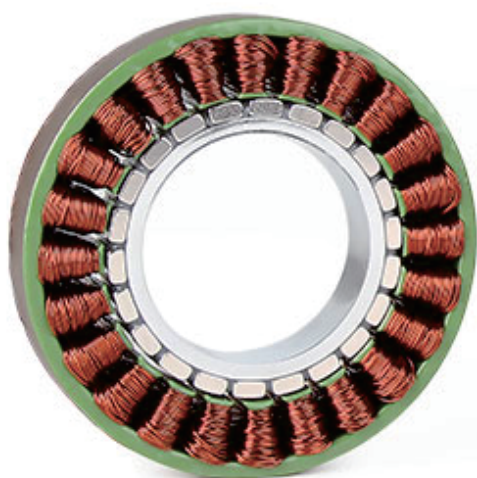




CUBEMARS FROM T-MOTOR TEAM WHICH FOCUS ON DEVELOPMENT,
PRODUCTION AND SALES OF ROBOTIC POWER SYSTEMS.

Target customers are Industrial robots, Exoskeleton, Automated factory,
Automatic parking system, Gimbal system, ROV and other ODM industrial applications.

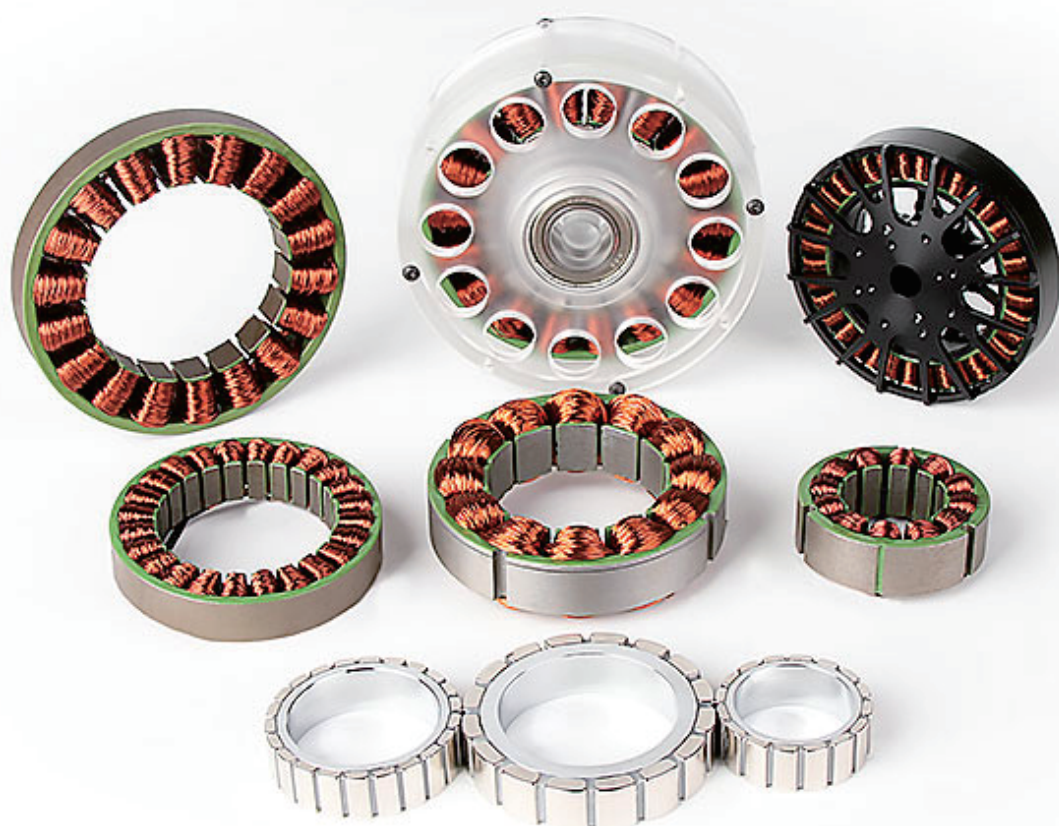
Currently, CubeMars have deep cooperation with several research
institutions all over the world, well-known university laboratories
and emerging high-tech companies.





IN ADDITION TO PROVIDING HIGH-QUALITY MOTORS, WE CAN
ALSO CUSTOMIZE MORE APPROPRIATE SCHEME
ACCORDING TO YOUR NEEDS.

Unique structure design, always reach the lightweight enquiry.
Installing the sensors, encoders and gearboxes to make the motor more flexible.

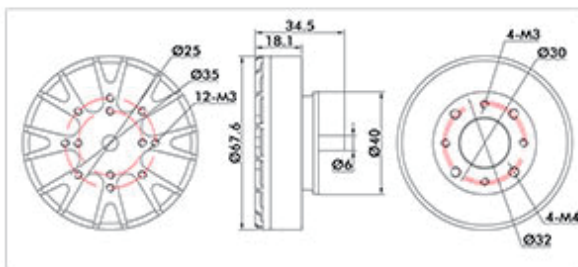




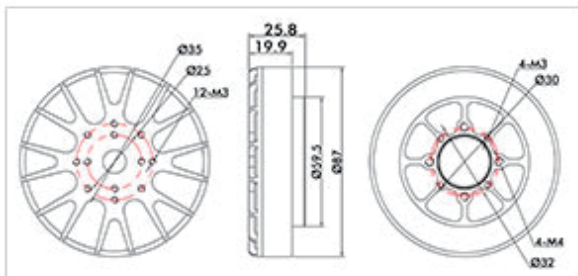
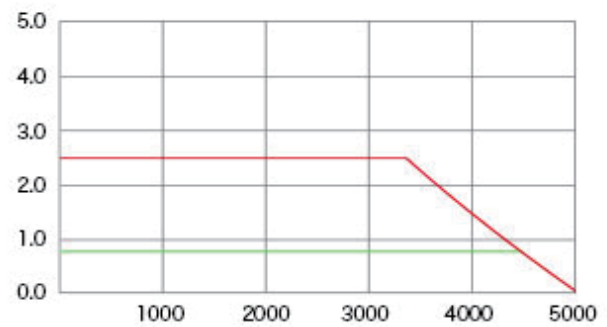
Motor Specs	R60	R80	R130
Weight (kg)	0.25	0.35	0.81
Design Voltage (V)	48	48	48
Rated Torque (Nm)	0.75	1.55	4
Peak Torque (Nm)	2.3	4.5	10
Rated Speed (rpm)	4350	4300	3500
Rated Current (A)	8.5	16.5	34
Peak Current (A)	27	48.5	85
Kv (rpm/V)	112	103	82
Kt (Nm/A)	0.0852	0.0927	0.1164
Ke (V/rpm)	0.0089	0.0097	0.0122
Km (Nm/√w)	0.1766	0.284	0.561
Number of Pole-Pair	14	21	20
Resistance at 25° (mΩ)	235	106	43
Inductance Phase to Phase (μH)	165	43.3	25.3

R Series Performance Curve

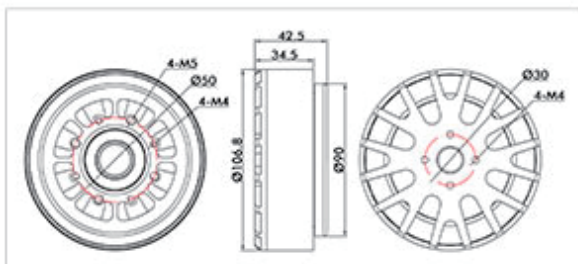
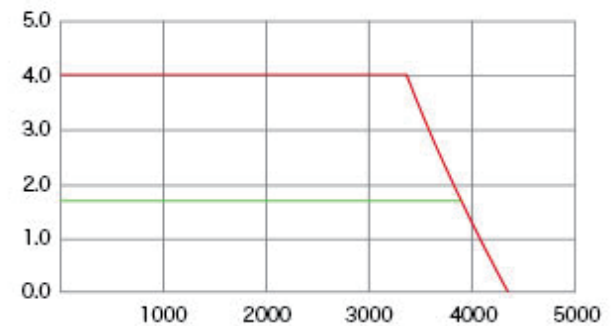
Rated Torque (Nm) Peak Torque (Nm)



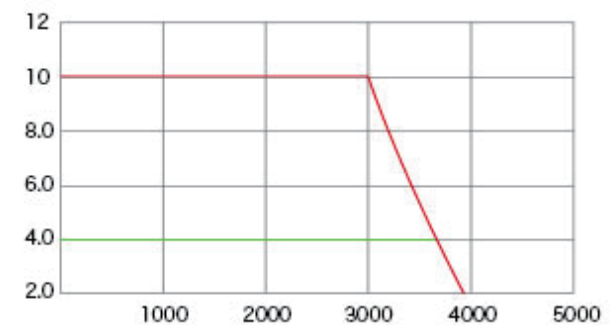
R60



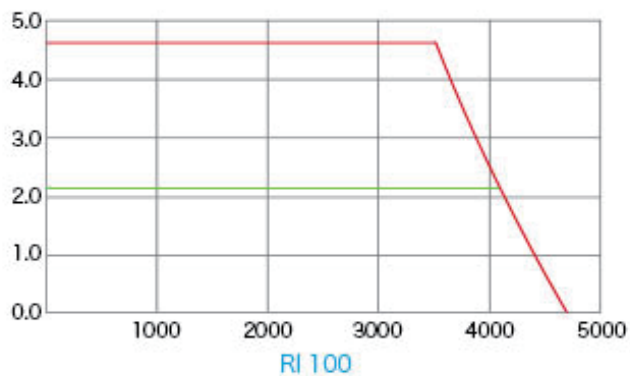
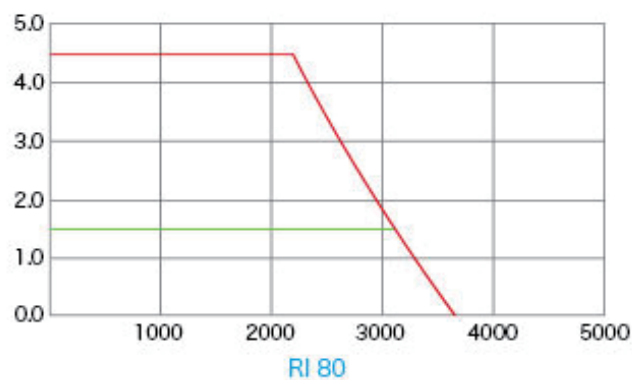
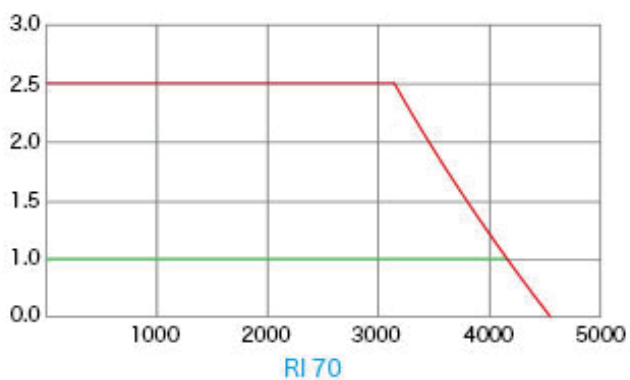
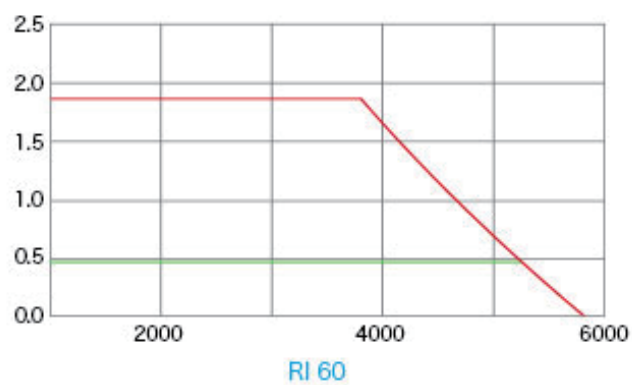
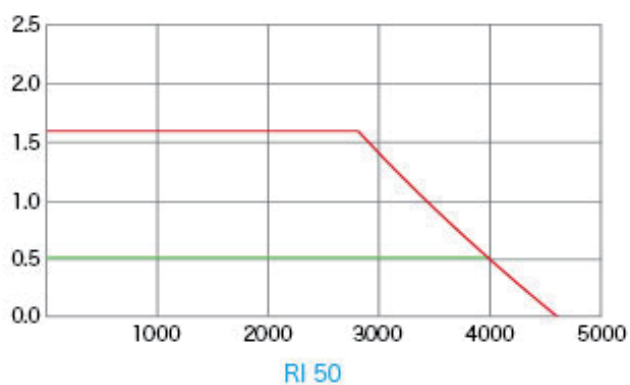
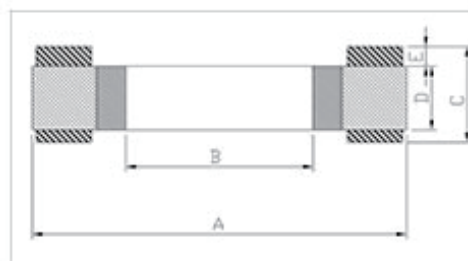
R80



R130



Dimensions	RI 50	RI 60	RI 70	RI 80	RI 100
Stator OD A±0.05[mm]	54	60	76	85	104
Rotor ID B[mm]	22	30	38	40	45
Coil Height C±1[mm]	24	19	20	26	22
Lamination Height D[mm]	16	13	13	16	13
Extra size E[mm]	5	3.5	4	6	6

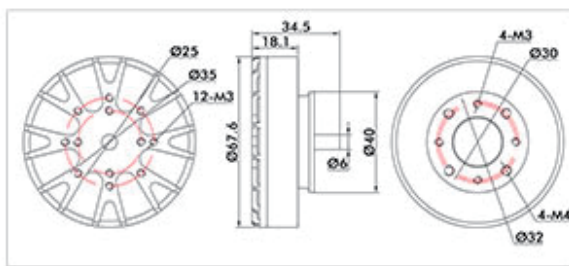


RI Series Performance Curve

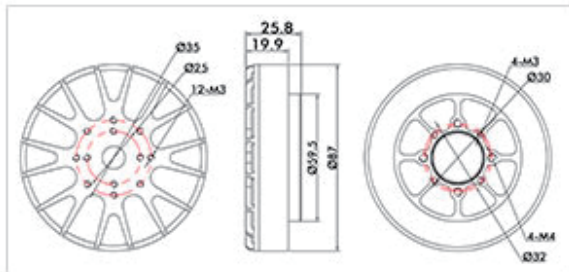
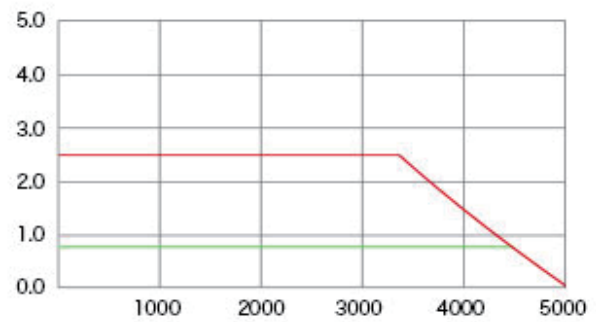
■ Rated Torque (Nm)
■ Peak Torque (Nm)

R Series Performance Curve

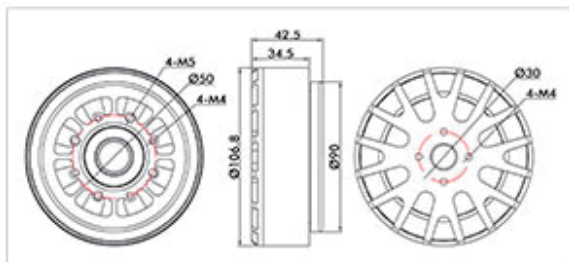
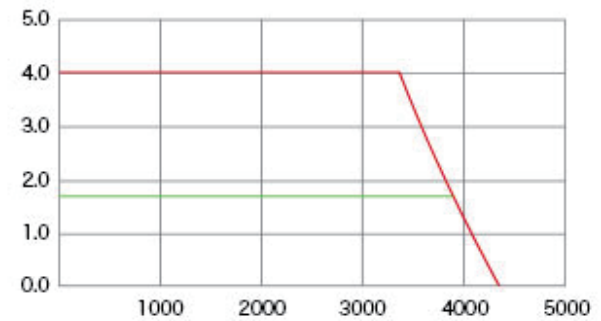
Rated Torque (Nm) Peak Torque (Nm)



R60



R80



R130

