



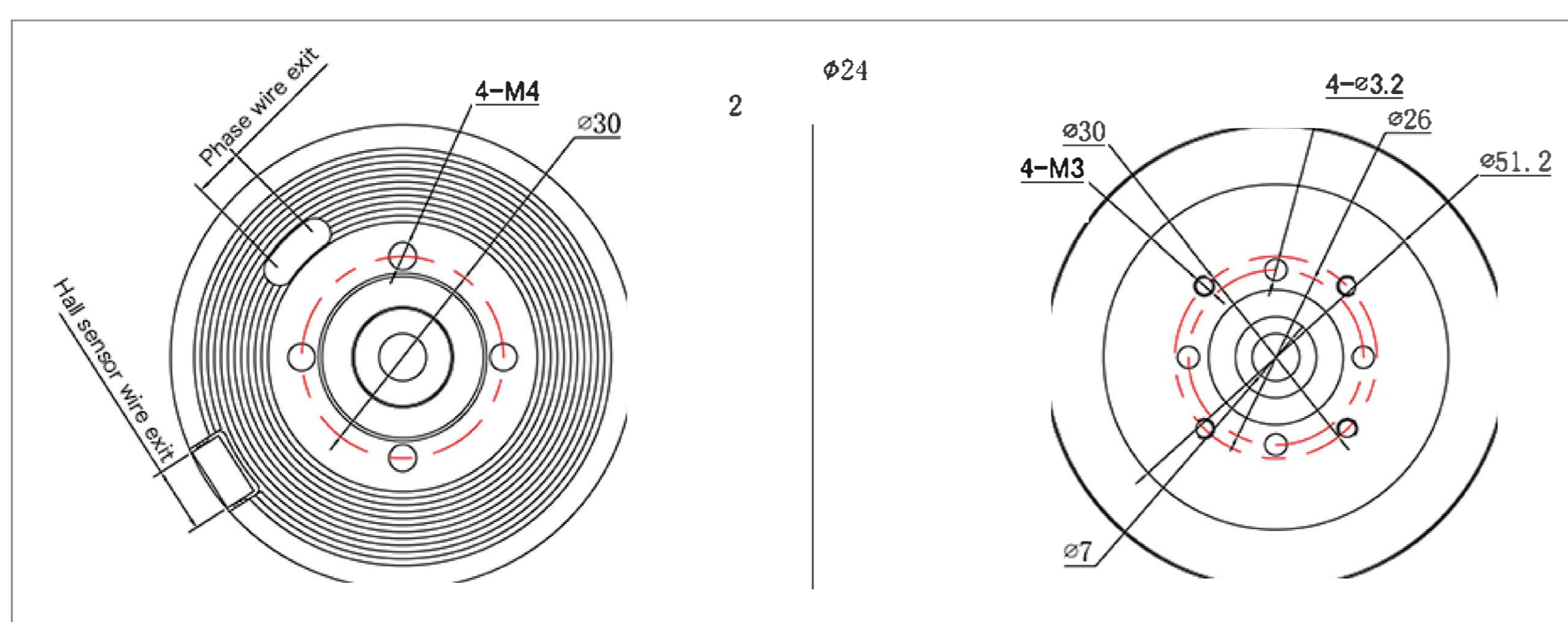
SR SERIES

Outrunner BLDC motor, Integrated with hall sensors, use for exoskeleton, Legged robot and robot arm.

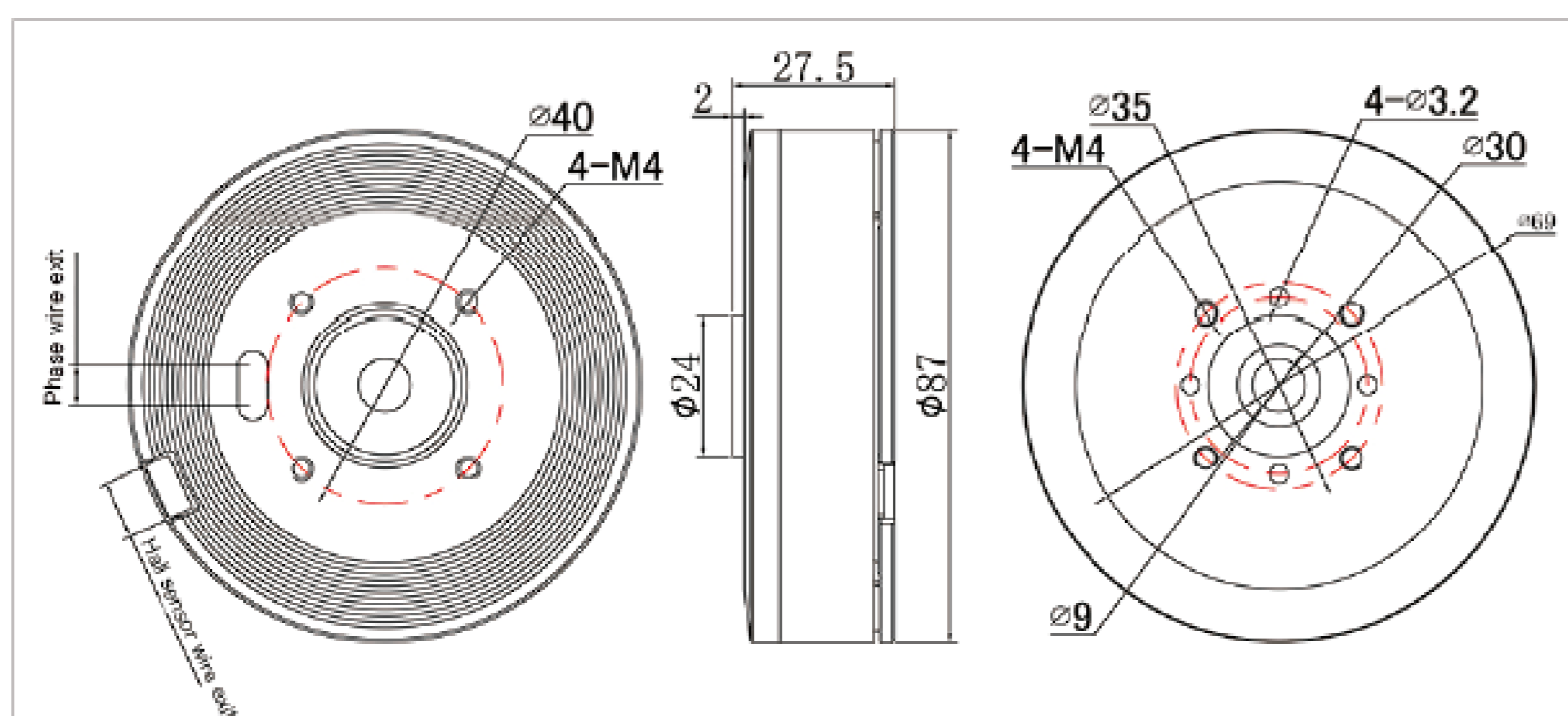
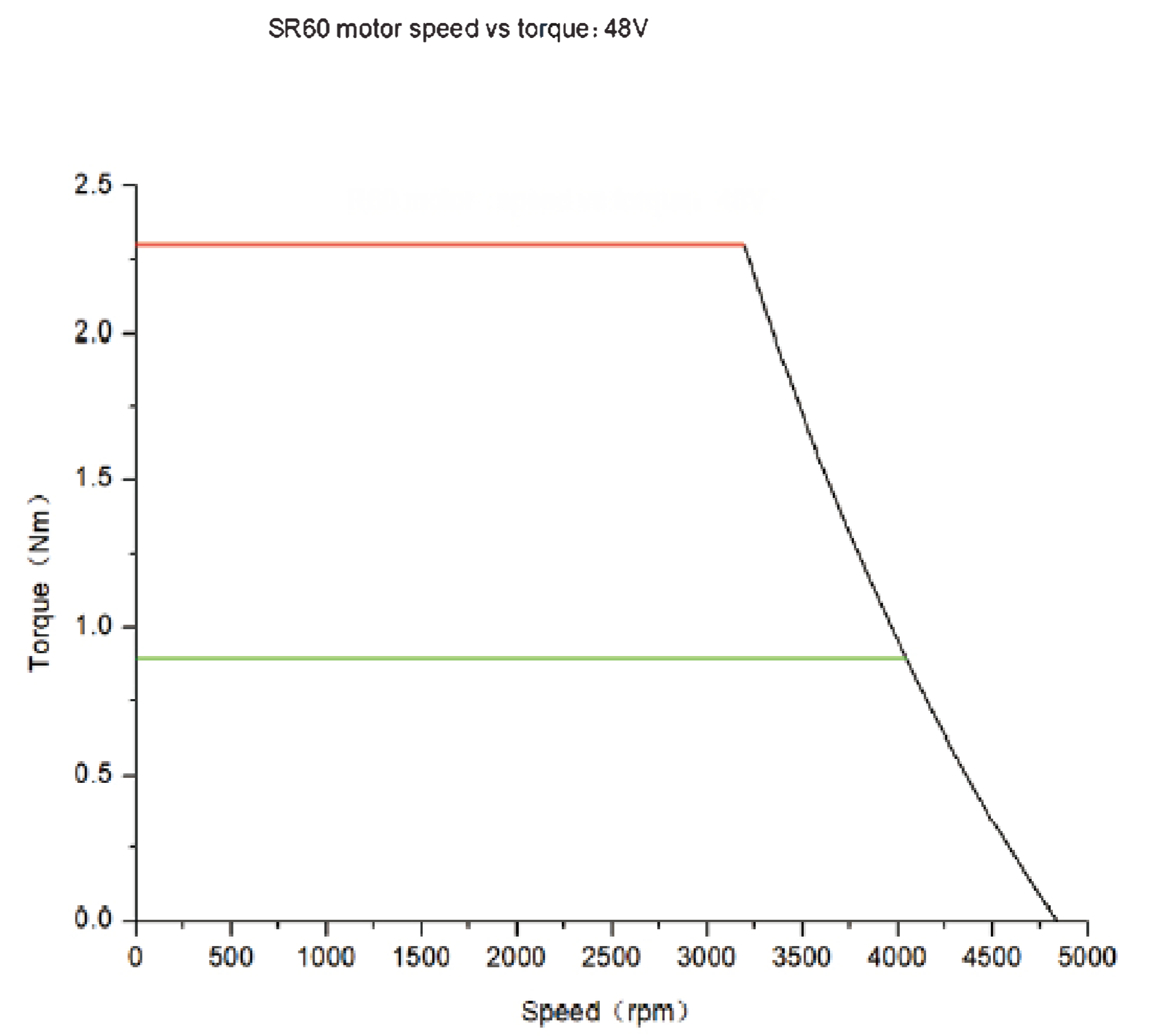
Motor Parameters/Dimension	SR60	SR80	SR100
Weight (g)	240	310	820
Voltage (V)	48	48	48
Rated Torque (Nm)	0.75	1.6	4
Peak Torque (Nm)	2.3	4	12
Max Speed@Rated Torque (rpm)	4150	4050	3600
Rated Current (A)	7.2	15	33
Peak Current (A)	22	38	98
Kv (rpm/V)	100	98	86
Kt (Nm/A)	0.095	0.098	0.111
Ke (V/rpm)	0.01	0.0102	0.0116
Km (Nm/ \sqrt{w})	0.197	0.284	0.523
Pole-pairs	14	21	20
Phase to Phase resistance (m Ω)	235	120	45
Phase to Phase Inductance (uH)	150	52	26
Max Torque Weight Ratio (N.m/kg)	9.6	12.9	14.6

SR Series Performance Curve

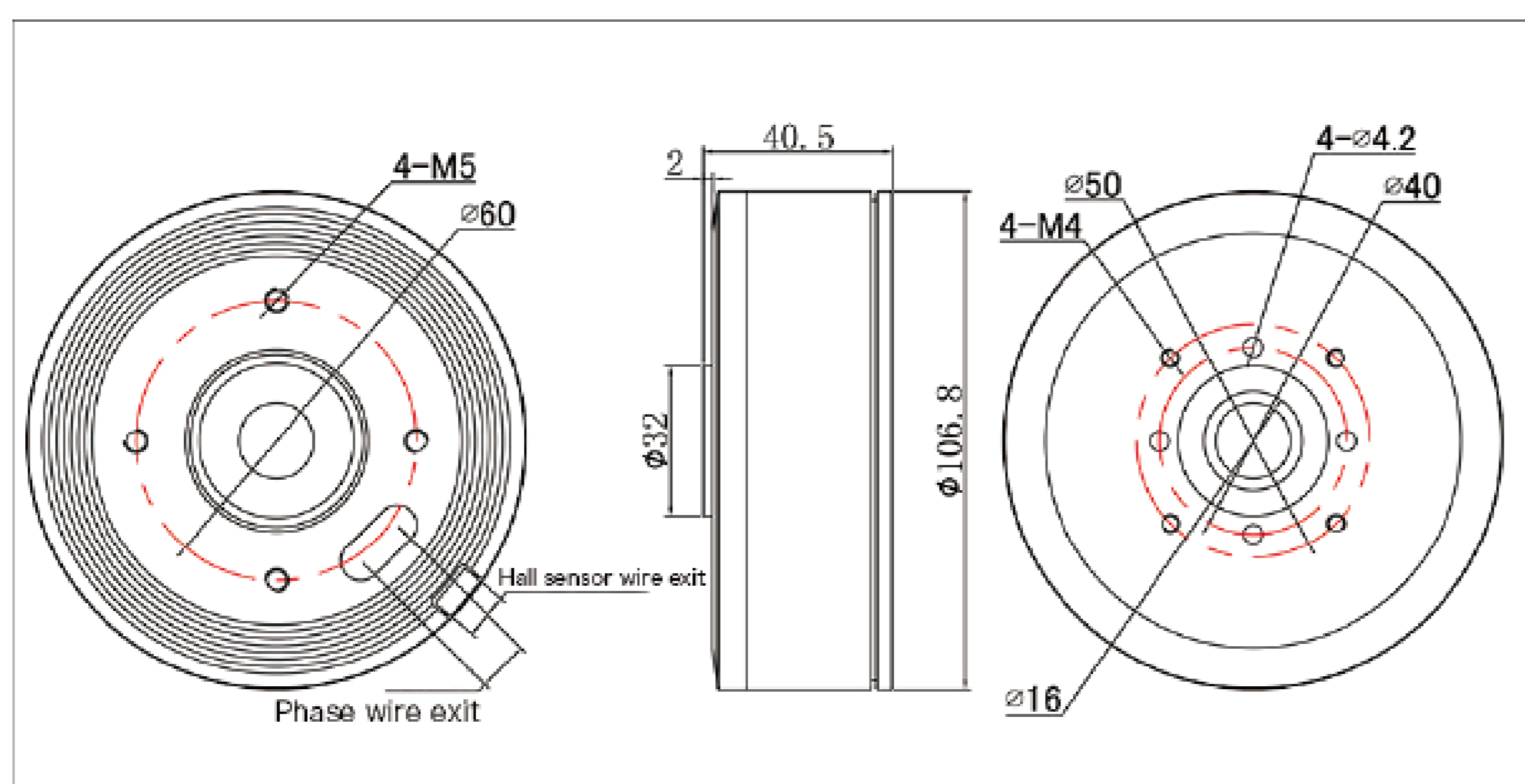
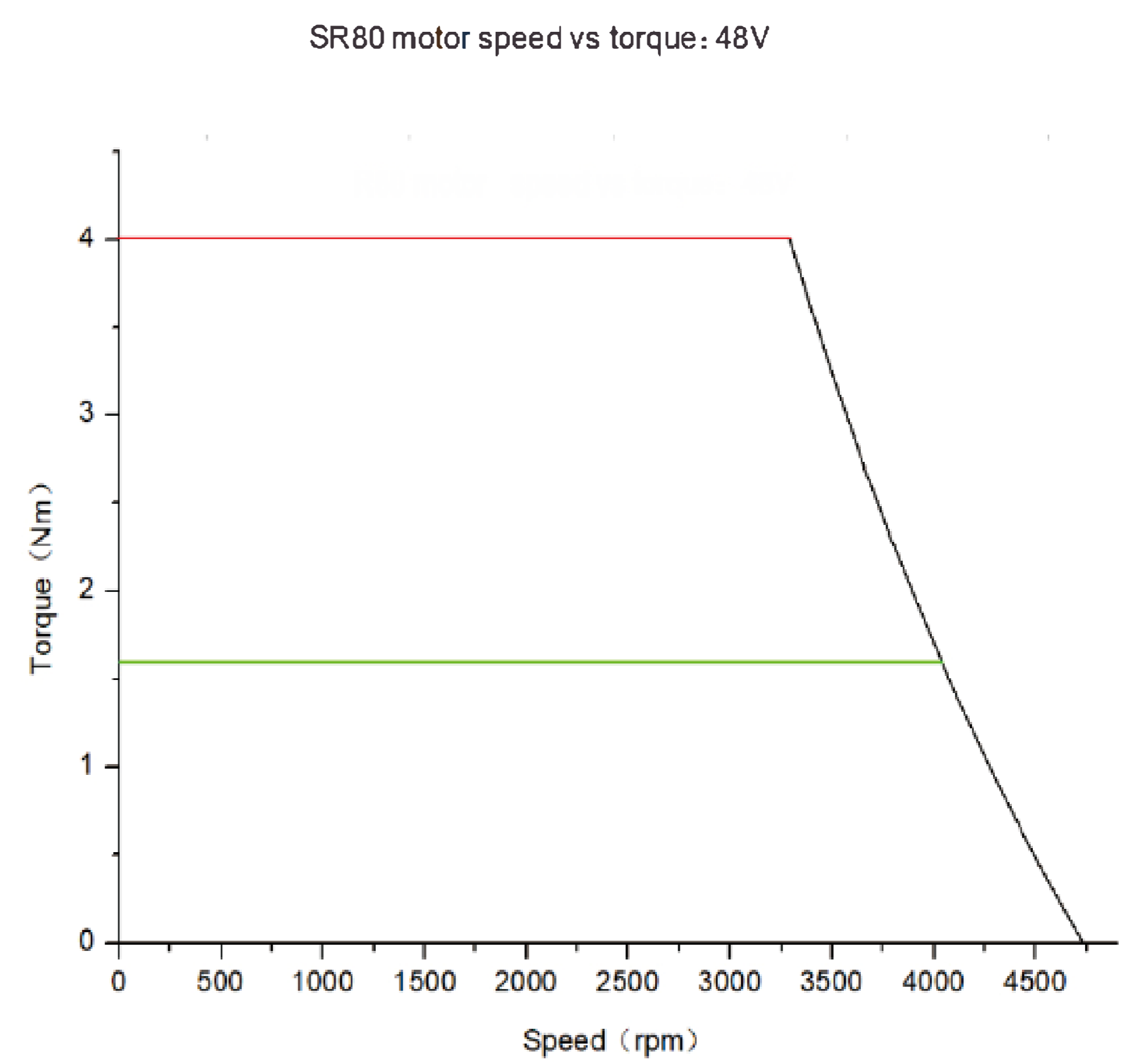
■ Rated Torque (Nm) ■ Peak Torque (Nm)



SR60



SR80



SR100

