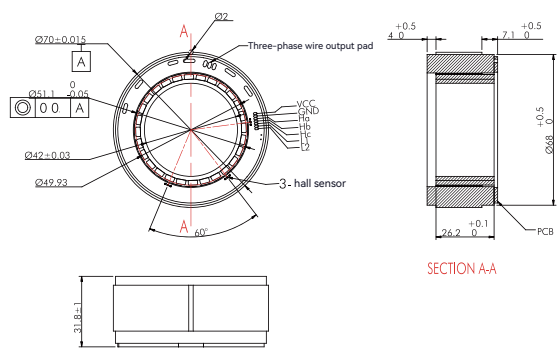
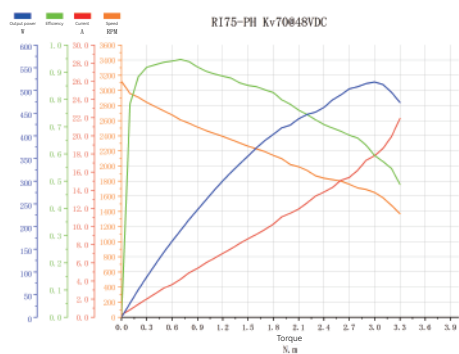


RI75-PH_{KV70, φ70*31.8mm}

PRODUCT DRAWING



ANALYTICAL GRAPH OF MOTOR OPERATION



CHARACTERISTICS OVERVIEW

Hall Distribution Angle	120 electrical degrees
Dielectric Strength	1000VAC/1S
Insulation Resistance	100MΩ, 500VDC
Operating Environment	-20°C~+85°C
Insulation Class	Class H

ELECTRIC PARAMETERS

Motor Weight (g)	348
Voltage (V)	48
Continuous Torque (N·m)	1.2
Peak Torque (N·m)	3.8
Max Speed at Continuous Torque (RPM)	2365
Continuous Current (A)	7.28
Peak Current (A)	24.2 (Ref)
Torque Constant (N·m/A)	0.143
Back EMF Constant (V/RPM)	0.015
Speed Constant (RPM/V)	70
Motor Constant (N·m/√w)	0.203
Inertia (g·cm²)	416
Number of Pole Pairs	14
Phase Resistance (mΩ)	495
Phase Inductance (μH)	673
Maximum Torque-to- Weight Ratio (N·m/kg)	11.8
Electrical Time Constant (ms)	0.0013
Electromechanical Time Constant (ms)	0.001