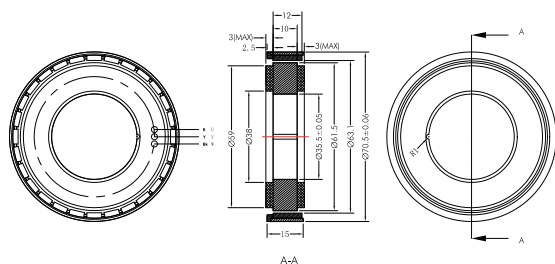
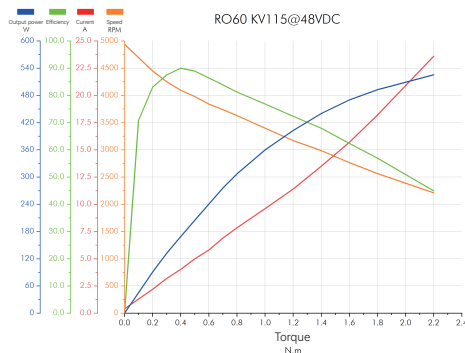


# RO60 LITE KV115, $\phi 70.5 \times 15\text{mm}$

## PRODUCT DRAWING



## ANALYTICAL GRAPH OF MOTOR OPERATION



## SPECIFICATIONS

Application	Cobot Arm, Exoskeleton
Driving Way	FOC
Operation Ambient Temperature (°C)	-20~50
Winding Type	Star
Insulation Class	F
Insulation High-Voltage (V)	500
Insulation Resistance (mΩ)	10
Cogging Torque (mN.m)	15
Pole Pairs	14
Rotor Weight (g)	70
Lead-Out	"Three-Phase Motor Lead-Out Enameled Wire Straight Out 100±5mm Tinned 5±2mm"

## ELECTRIC PARAMETERS

Rated Voltage (V)	48
No-Load Speed (rpm)	5520
Rated Torque (Nm)	0.8
Rated Speed (rpm)	4200
Rated Current (ADC)	8.5
Peak Torque (Nm)	2.4
Peak Current (ADC)	40
Kv (rpm/V)	115
Kt (Nm/A)	0.094
Stator Weight (g)	125
Ke (V/krpm)	8.28
Phase To Phase Resistance (mΩ)	300
Phase To Phase Inductance (μH)	395
Inertia (gcm <sup>2</sup> )	800
Km (Nm/√W)	0.17
Mechanical Time Constant (ms)	2.86
Electrical Time Constant (ms)	1.32
Weight (g)	195