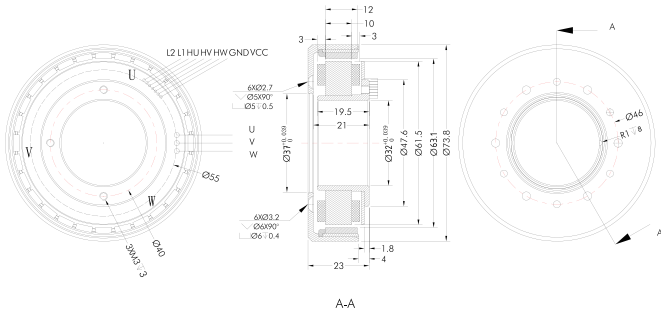
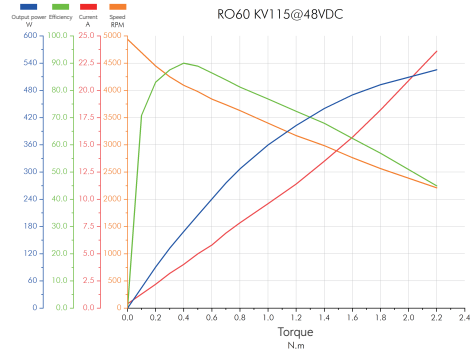


RO60 KV115, $\Phi 73.8 \times 23\text{mm}$

PRODUCT DRAWING



ANALYTICAL GRAPH OF MOTOR OPERATION



SPECIFICATIONS

Application	Cobot Arm, Exoskeleton
Driving way	FOC
Operation ambient temperature	-20°C~50°C
Winding type	star
Insulation class	F
Insulation High-voltage	500V 5mA/2s
Insulation resistance	500V10M Ω
Phase	3
Pole pairs	14

ELECTRIC PARAMETERS

Rated voltage (V)	48
No-load speed (rpm)	5230
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
Ke (V/krpm)	8.28
Phase to Phase resistance (m Ω)	300
Phase to Phase inductance (μH)	395
Inertia (gcm ²)	841
Km (Nm/ $\sqrt{\text{W}}$)	0.17
Mechanical time constant (ms)	2.86
Electrical time constant (ms)	1.32
Weight (g)	248
Maximum torque weight ratio (Nm/kg)	10