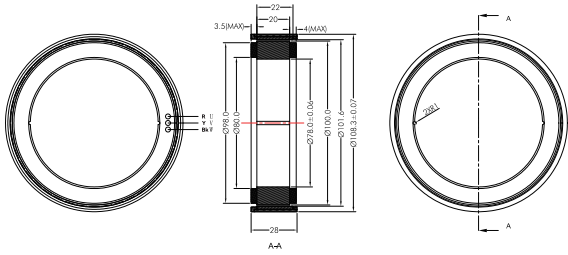
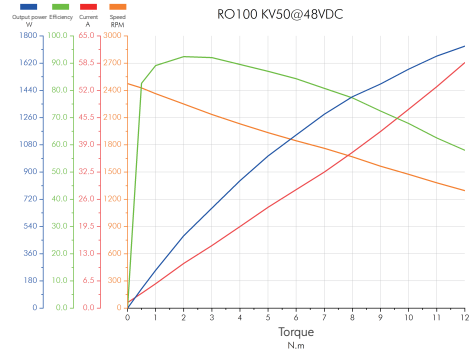


RO100 LITE KV55, $\phi 108.3 \times 28\text{mm}$

PRODUCT DRAWING



ANALYTICAL GRAPH OF MOTOR OPERATION



SPECIFICATIONS

Application	Cobot Arm
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)	55
Pole Pairs	21
Rotor Weight (g)	190
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)	2550
Rated Torque (Nm)	4
Rated Speed (rpm)	2000
Rated Current (ADC)	20
Peak Torque (Nm)	12
Peak Current (ADC)	62
Kv (rpm/V)	53
Kt (Nm/A)	0.2
Stator Weight (g)	335
Ke (V/krpm)	18.67
Phase To Phase Resistance (mΩ)	143
Phase To Phase Inductance (μH)	137
Inertia (gcm ²)	5290
Km (Nm/√W)	0.53
Mechanical Time Constant (ms)	1.73
Electrical Time Constant (ms)	0.96
Weight (g)	525