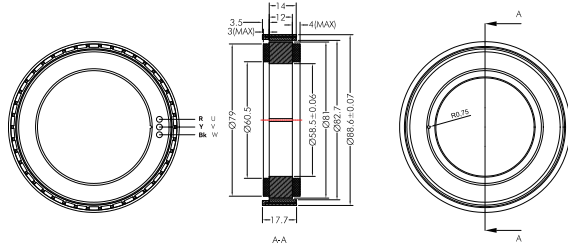
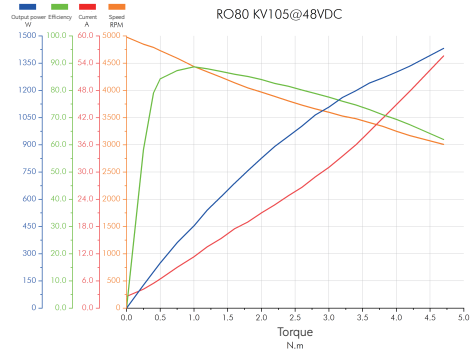


RO80 LITE KV105, $\phi 88.6 \times 17.7 \text{mm}$

PRODUCT DRAWING



ANALYTICAL GRAPH OF MOTOR OPERATION



SPECIFICATIONS

Application	Cobot Arm, Exoskeleton
Driving Way	FOC
Operation Ambient Temperature (°C)	-20~50
Winding Type	delta
Insulation Class	F
Insulation High-Voltage (V)	500
Insulation Resistance (mΩ)	10
Cogging Torque (mN.m)	24
Pole Pairs	21
Rotor Weight (g)	85
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)	5040
Rated Torque (Nm)	1.3
Rated Speed (rpm)	3600
Rated Current (ADC)	15
Peak Torque (Nm)	4
Peak Current (ADC)	50
Kv (rpm/V)	105
Kt (Nm/A)	0.087
Stator Weight (g)	180
Ke (V/krpm)	9.07
Phase To Phase Resistance (mΩ)	120
Phase To Phase Inductance (μH)	103
Inertia (gcm ²)	1600
Km (Nm/√W)	0.25
Mechanical Time Constant (ms)	2.95
Electrical Time Constant (ms)	0.86
Weight (g)	265