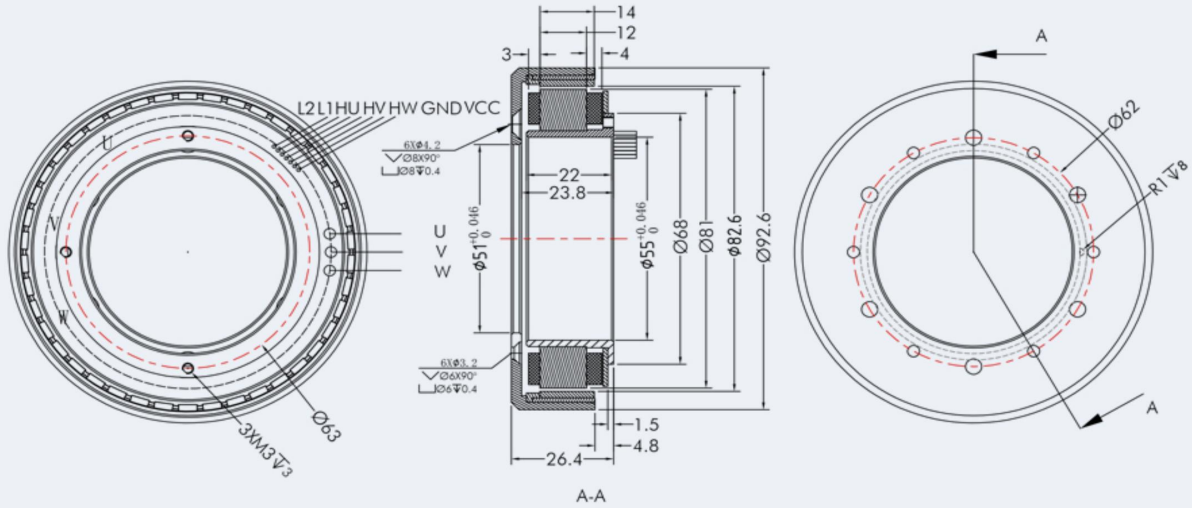


Product Drawing



Specifications

Application	Cobot Arm	Insulation Class	F
Driving Way	FOC	Insulation High-Voltage	500V
Operation Ambient Temperature	-20°C~50°C	Insulation Resistance	10M Ω
Winding Type	delta	Cogging Torque	24N.mm
		Pole Pairs	21

Electric Parameters

Rated Voltage (V)	48	Ke (V/krpm)	9.07
No-Load Speed (rpm)	5040	Phase To Phase Resistance (m Ω)	120
Rated Torque (Nm)	1.3	Phase To Phase Inductance (μ H)	103
Rated Speed (rpm)	3600	Inertia (gcm ²)	2612
Rated Current (ADC)	15	Km (Nm/ \sqrt W)	0.25
Peak Torque (Nm)	4	Mechanical Time Constant (ms)	2.95
Peak Current (ADC)	50	Electrical Time Constant (ms)	0.86
Kv (rpm/V)	105	Weight (g)	352
Kt (Nm/A)	0.087	Maximum Torque Weight Ratio (Nm/kg)	11.36

Analytical Graph of Motor Operation

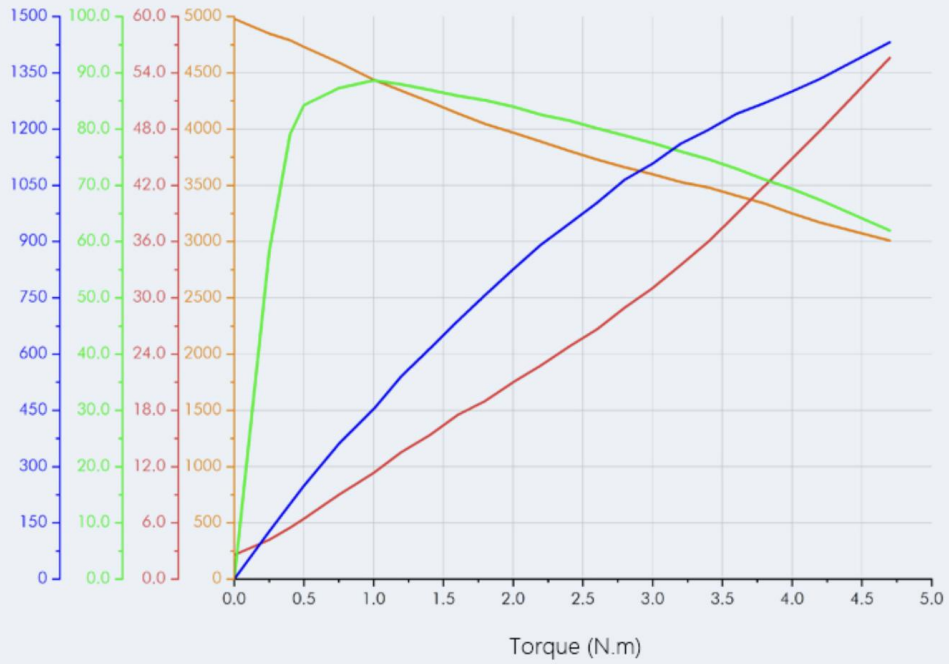
Output Power (w)

Efficiency

Current (A)

Speed (RPM)

RO80 KV105@48VDC



All data is for information purposes only | Subject to change without notice