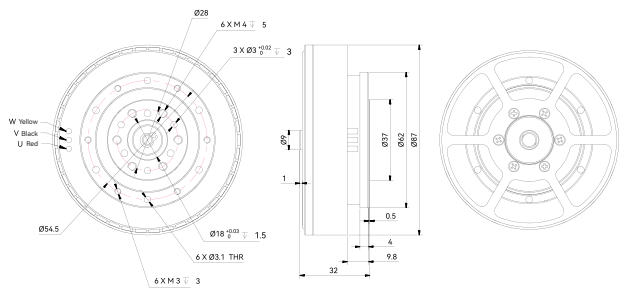
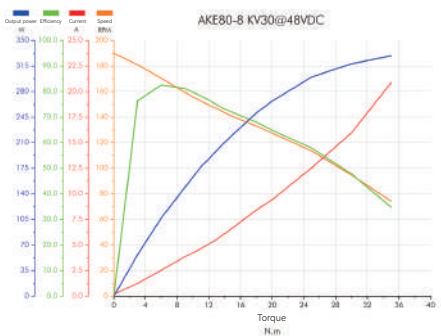


AKE80-8 KV30, $\phi 87*32\text{mm}$

PRODUCT DRAWING



ANALYTICAL GRAPH OF MOTOR OPERATION



SPECIFICATIONS

Application	Cobot Arm	Peak torque (Nm)	30
Driving way	FOC	Peak current (ADC)	12
Operation ambient temperature (°C)	-20~50	Kv (rpm/V)	30
Winding type	star	Kt (Nm/A)	0.32
Insulation class	F	Ke (V/krpm)	33
Insulation High-voltage (V)	500	Phase to Phase resistance (mΩ)	870
Insulation Resistance (MΩ)	10	Phase to Phase inductance (μH)	990
Pole pairs	21	Inertia (gcm ²)	143
Arcmin	9	Km (Nm/√W)	0.34
Rated voltage (V)	48	Mechanical time constant (ms)	2.3
No-load speed (rpm)	195	Electrical time constant (ms)	1.13
Rated torque (Nm)	12	Weight (g)	570
Rated speed (rpm)	150	Maximum torque weight ratio (Nm/kg)	52
Rated current (ADC)	4.8	Reduction Ratio	8:1