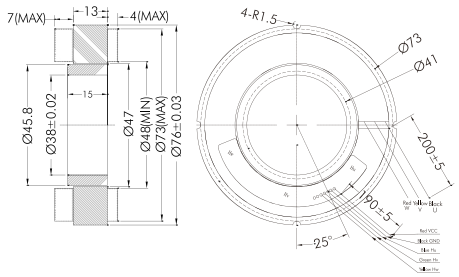
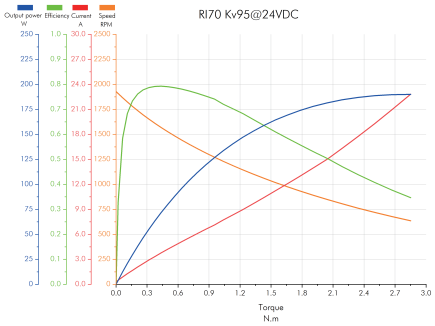
RI70 KV95, Φ76*24mm

PRODUCT DRAWING



ANALYTICAL GRAPH OF MOTOR OPERATION



SPECIFICATIONS

Application	Cobot arm/exoskeleton	Insulation class	C
Driving way	FOC	Insulation High-voltage	1000V 5mA/2s
Operation ambient temperature	-20℃~50℃	Insulation resistance	1000V10MΩ
Winding type	delta	Phase	3
		Pole pairs	14

ELECTRIC PARAMETERS

Rated voltage (V)	24/36/48	Ke (V/krpm)	11.69
No-load speed (rpm)	1956/2934/3912	Phase to Phase resistance (mΩ)	418
Rated torque (Nm)	0.94	Phase to Phase inductance (μH)	622.7
Rated speed (rpm)	1270/1990/2710	Inertia (gcm^2)	92.15
Rated current (ADC)	7.1	Km (Nm/√W)	0.2011
Peak torque (Nm)	2.68	Mechanical time constant (ms)	0.23
Peak current (ADC)	21	Electrical time constant (ms)	1.49
Kv (rpm/V)	95	Weight (g)	270.4
Kt (Nm/A)	0.130	Maximum torque weight ratio (Nm/kg)	9.91

CONNECTOR

U	Black+16#Silicone Wire	Hv	Green+30#Silicone Wire
V	Yellow+16#Silicone Wire	Hw	Yellow+30#Silicone Wire
W	Red+16#Silicone Wire	VCC GND	Red+30#Silicone Wire Black+30#Silicone Wire
Hu	Blue+30#Silicone Wire	correspondence	Hu-U Hv-V Hw-W
		CCW correspondence	eg: Hu-U Hv-V Hw-W

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