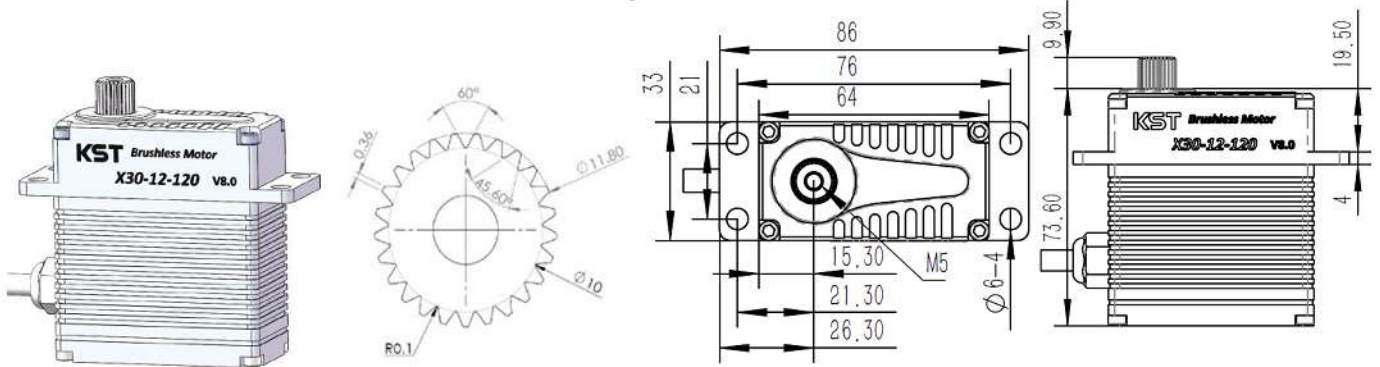


X30-12-120 V8.0 Technical Specification

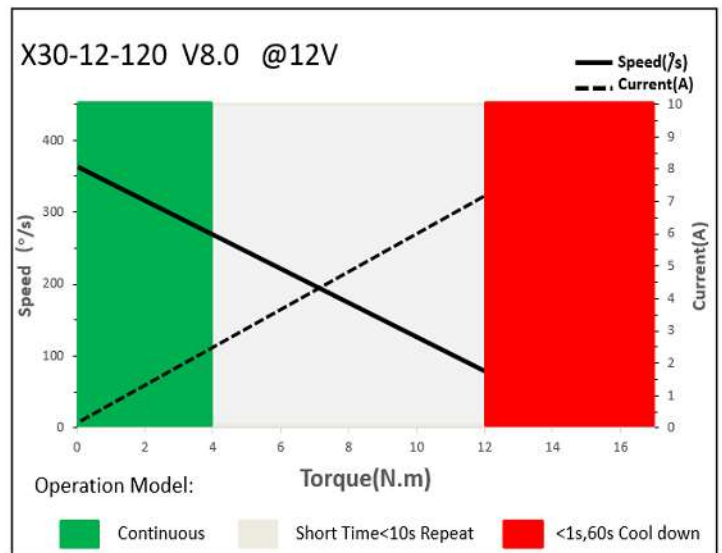


Output Shaft Spline (25T&12mm)

1. Servo Data

X30-12-120 V8.0	
Rated Voltage	DC12V
Voltage Range	DC8.4V-12V
Stalling Torque	8N.m@8.4V
	12N.m@12V
Speed	0.24sec/60°@8.4V
	0.16sec/60°@12V
Working Frequency	1520us/333Hz
Default Travel Angle	±50°=100° Total
Temperature Range	-20°C.....+65°C
Case Material	Aluminum Alloy
Motor Type	Brushless DC Motor
Gear Set Material	Hardened Steel
Position Sensor	Potentiometer
Case Dimensions	64mm*33mm*74mm±0.2mm
Weight	360g±10%

2. Performance



3. Command signal

3.1. PWM Command Interface

Signal Voltage	HIGH: min.3.3V, max.5.0V Low: min.0.0V, max.1.5V
Pulse Lengths	900us-2100us
Pulse Lengths for Position	1000us/1500us/2000us -50°/0°/+50°

4. Electrical Connection

Pin	Assignment PWM	
	1	DC+ Supply Voltage
2	DC- Supply Ground	
3	PWM signal	
4	Signal Ground	