Shenzhen XQPOWER Technology Co., LTD

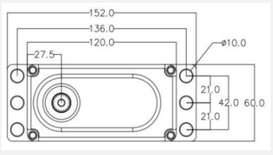
Product Inspection Specification

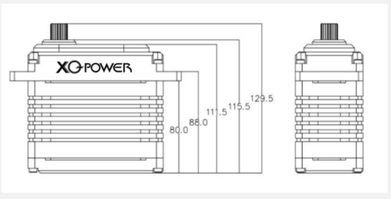
DOCUMENT NO	N/D.20250221.7.2
VER	X9_9750.02
Page.	P.1
Prepare Date	20250222

GSN	XQ-9S	Product Name	XQ-POWER 30V1000kg-cm Brushless Servo	Model	XQ-S9750TTL	Material	CNC all-metal case

Process flow

SIZE OF THE DRAWINGS





The Drawings

Photos1



Photos2



CNC / industry testing torque

Control Specifications

NO.	Standard Test Environment	
1-1	Temperature range	25℃±5℃
1-2	Humidity range	65%±10%
NO.	**Apply Environmental Condition**	
2-1	Storage Temperature Range	-30℃ ~ 70℃
2-2	Operating Temperature Range	-30℃ ~ 60℃
NO.	**Mechanical Specification**	
3-1	Servo Dimensions	120*60*111.5 mm
3-2	Servo Weight	1750g
3-3	Servo Gear	Steel Gear
3-4	Angle of limit	No Limit
3-5	Servo Bearing	10 Ball bearings
3-6	Output force shaft	25T-φ14.98mm
3-7	Servo arm	Metal
3-8	Case Material	Aluminium CNC
3-9	Servo line	J30J-15TJL Purchase separately
3-10	Built-in motor	Brushless motor
3-11	Splash water resistance	Yes
NO.	**Electrical Specification**	
4-1	Work Voltage	**24 V**
4-2	No load speed	0.35 sec/60°
4-3	Runnig current (no load)	400 mA
4-4	Peak stall torque	850 kg.cm
4-5	Stall current	21 A
	Work Voltage	**28 V**
4-6	No load speed	0.28 sec/60°
4-7	Runnig current (no load)	460 mA
4-8	Peak stall torque	920 kg.cm
4-9	Stall current	25 A
	Work Voltage	**30 V**
4-10	No load speed	0.25 sec/60°
4-11	Runnig current (no load)	500 mA
4-12	Peak stall torque	980 kg.cm
4-13	Stall current	26.5 A

AQL

Make table	CHECK	APPROVE
MR.ZHONG	MR.LIU	Manager.ZHOU

Shenzhen XQPOWER Technology Co., LTD

Product Inspection Specification

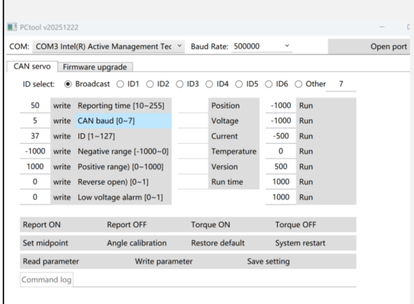
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Control Specification

Test display diagram

Photos1



Accessories

Photos1



Reference opinions of all departments: Agree

EMPHASIS

NO.	Item	Specification
5-1	Command signal	TTL
5-2	Amplifier type	Digital Controller
5-3	Pulse width range	500～2500 μsec customizable
5-4	Neutral position	1500 μsec customizable
5-5	Running degree	360° (when1000～2000 μsec) customization
5-6	Dead band width	3 μsec
5-7	Rotating direction	CCW (when 1000～2000 μsec) customizable

Appearance inspection

NO.	QC details
5-7	Material qualified
5-8	Gear structure qualified
5-9	Function qualified
5-10	Use data qualified
5-11	Pass the test

AQL

NO.	Other
6-1	
6-2	
6-3	
6-4	

Other Accessories

7-1	Plastic arm bag
7-2	Screw
7-3	Metal arm (additional purchase)



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