Shenzhen XQPOWER Technology Co., LTD

XQ-POWER

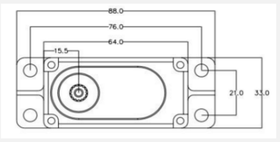
Product Inspection Specification

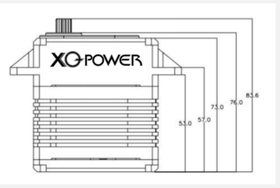
DOCUMENT NO	N/D.20220523.9.1
VER	X9_9130.02
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Prepare Date	20220525

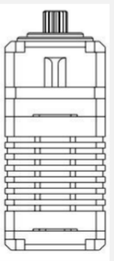
GSN	XQ-9S	Product Name	XQ-POWER 16.8V130kg-cm Brushless Servo	Model	XQ-S9130TTL	Material	CNC all-metal case

Process flow

SIZE OF THE DRAWINGS







The Drawings

Photos1



Photos2



CNC / industry testing torque

NO.	Control Specifications	
	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	-20℃ ~ 60℃
NO.	**Mechanical Specification**	
3-1	Servo Dimensions	64*33*76 mm
3-2	Servo Weight	411g
3-3	Servo Gear	Steel Gear
3-4	Angle of limit	220°
3-5	Servo Bearing	2 Ball bearings
3-6	Output force shaft	25T-φ9.95mm
3-7	Servo arm	Metal
3-8	Case Material	7075 Aluminium CNC
3-9	Servo line	500 mm
3-10	Built-in motor	Brushless motor
3-11	Splash water resistance	Yes
	Electrical Specification	
NO.	**Test Operating Voltage Range**	
4-1	**Work Voltage**	**8.4 V**
4-2	**No load speed**	0.28 sec/60°
4-3	**Runnig current (no load)**	150 mA
4-4	**Peak stall torque**	100 kg.cm
4-5	**Stall current**	6.5 A
	Work Voltage	**12.6 V**
4-6	**No load speed**	0.17 sec/60°
4-7	**Runnig current (no load)**	270 mA
4-8	**Peak stall torque**	115 kg.cm
4-9	**Stall current**	8 A
	Work Voltage	**16.8 V**
4-10	**No load speed**	0.14 sec/60°
4-11	**Runnig current (no load)**	400 mA
4-12	**Peak stall torque**	130 kg.cm
4-13	**Stall current**	9 A

AQL

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

Shenzhen XQPOWER Technology Co., LTD

XQ-POWER

Product Inspection Specification

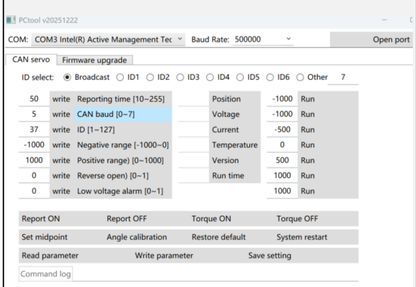
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Page.	P.2
Prepare Date	20220525

GSN	XQ-9S	Product Name	XQ-POWER 16.8V130kg-cm Brushless Servo	Model	XQ-S9130TTL	Material	CNC all-metal case

Control Specification

Test display diagram

Photos1



EMPHASIS

NO.	Item	Specification
5-1	Command signal	TTL
5-2	Amplifier type	Digital Controller
5-3	Pulse width range	800～2200 μsec customizable
5-4	Neutral position	1500 μsec customizable
5-5	Running degree	360° (when1000～2000 μsec) Customization
5-6	Dead band width	4 μsec
5-7	Rotating direction	CCW (when 1000～2000μsec) 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

Accessories

Photos1



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)



Reference opinions of all departments: Agree

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