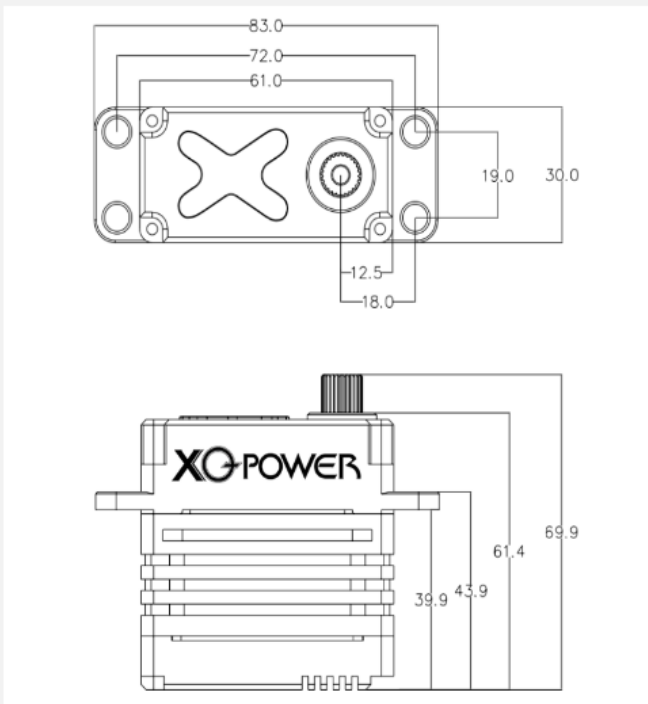


Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO		N/D.20230428.9.1									
						VER		X9_9100.01									
						Page.		P.1									
						Prepare Date		20230405									
GSN		XQ-9S	Product Name	XQ-POWER 12V110kg-cm Brushless Servo		Model	XQ-RS9100D	Material	CNC all-metal case								
Process flow						CNC / industry testing torque											
SIZE OF THE DRAWINGS						Control Specifications					AQL						
						Standard Test Environment											
NO.																	
1-1	Temperature range	25°C±5°C															
1-2	Humidity range	65%±10%															
NO.	Apply Environmental Condition																
2-1	Storage Temperature Range	-30°C ~ 70°C															
2-2	Operating Temperature Range	-20°C ~ 60°C															
NO.	Mechanical Specification																
3-1	Servo Dimensions	61*30*61.4 mm															
3-2	Servo Weight	190g															
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-φ9.95mm															
3-7	Servo arm	Metal															
3-8	Case Material	Aluminium CNC															
3-9	Servo line	J30J-9TJL purchase separately															
3-10	Built-in motor	Brushless motor															
3-11	Splash water resistance	Yes															
The Drawings						Electrical Specification											
Photos1						Test Operating Voltage Range											
						NO.											
						4-1	Work Voltage	8.4 V									
						4-2	No load speed	0.25 sec/60°									
						4-3	Runnig current (no load)	200 mA									
						4-4	Peak stall torque	115 kg.cm									
						4-5											
						4-6	Stall current	6.5 A									
							Work Voltage	12 V									
						4-6	No load speed	0.15 sec/60°									
						4-7	Runnig current (no load)	300 mA									
						4-8	Peak stall torque	110 kg.cm									
						4-9											
						4-10	Stall current	8 A									
							Work Voltage	16.8 V									
						Photos2						4-11	No load speed	0.12 sec/60°			
												4-12	Runnig current (no load)	400 mA			
4-13	Peak stall torque	130 kg.cm															
4-14																	
4-15	Stall current	10 A															
Make table		CHECK		APPROVE													
MR.ZHONG		MR.LIU		Manager.ZHOU													

Shenzhen XQPOWER Technology Co., LTD						DOCUMENT NO	N/D.20230428.9.1
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						Prepare Date	20230405
GSN	XQ-9S	Product Name	XQ-POWER 12V110kg-cm Brushless Servo	Model	XQ-RS9100D	Material	CNC all-metal case
Control Specification							
Test display diagram				EMPHASIS			
Photos1				NO.	Item	Specification	AQL
				5-1	Command signal	PWM / 485 50-333Hz	
				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 ~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		
				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