

Shenzhen XQPOWER Technology Co., LTD					DOCUMENT NO		N/D.20240801.7.2			
					VER		X9_9450.05			
					Page.		P.1			
					Prepare Date		20250222			
GSN		XQ-9S	Product Name	XQ-POWER 30V450kg-cm Brushless Servo		Model	XQ-RS9450D	Material	CNC all-metal case	
Process flow					CNC / industry testing torque					
SIZE OF THE DRAWINGS					Control Specifications					AQL
					NO.	Standard Test Environment				
	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	-30°C ~ 60°C							
	NO.	Mechanical Specification								
	3-1	Servo Dimensions	100*50*97 mm							
	3-2	Servo Weight	895g							
	3-3	Servo Gear	Steel Gear							
	3-4	Angle of limit	No Limit							
	3-5	Servo Bearing	8 Ball bearings							
	3-6	Output force shaft	25T-φ11.98mm							
	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							
The Drawings					Electrical Specification					
Photos1					NO.	Test Operating Voltage Range				
					4-1	Work Voltage	24 V			
	4-2	No load speed	0.30 sec/60°							
	4-3	Runnig current (no load)	400 mA							
	4-4	Peak stall torque	560 kg.cm							
	4-5	Stall current	18 A							
		Work Voltage	28 V							
	4-6	No load speed	0.25 sec/60°							
	4-7	Runnig current (no load)	430 mA							
	4-8	Peak stall torque	650 kg.cm							
	4-9	Stall current	21 A							
		Work Voltage	30 V							
	4-10	No load speed	0.21 sec/60°							
	4-11	Runnig current (no load)	450 mA							
	4-12	Peak stall torque	700 kg.cm							
	4-13	Stall current	22.5 A							
		Make table	CHECK	APPROVE						
		MR.ZHONG	MR.LIU	Manager.ZHOU						

Shenzhen XQPOWER Technology Co., LTD XQPOWER Product Inspection Specification						DOCUMENT NO		N/D.20240801.7.2						
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GSN		XQ-9S	Product Name	XQ-POWER 30V450kg-cm Brushless Servo		Model	XQ-RS9450D	Material	CNC all-metal case					
Control Specification														
Test display diagram					EMPHASIS									
Photos1 PCtool v20251222 COM: COM3 Intel(R) Active Management Tec Baud Rate: 500000 Open port CAN servo Firmware upgrade ID select: ☒ Broadcast ☐ ID1 ☐ ID2 ☐ ID3 ☐ ID4 ☐ ID5 ☐ ID6 ☐ Other 7 50 write Reporting time [10~255] 5 write CAN baud [0~7] 37 write ID [1~127] -1000 write Negative range [-1000~0] 1000 write Positive range [0~1000] 0 write Reverse open [0~1] 0 write Low voltage alarm [0~1] Position -1000 Run Voltage -1000 Run Current -500 Run Temperature 0 Run Version 500 Run Run time 1000 Run 1000 Run Report ON Report OFF Torque ON Torque OFF Set midpoint Angle calibration Restore default System restart Read parameter Write parameter Save setting Command log					NO.	Item		Specification						
					5-1	Command signal		PWM / 485						
					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° (when 1000~2000 μsec) customizable						
					5-6	Dead band width		3 μsec						
					5-7	Rotating direction		CCW (when 1000 ~ 2000 μsec) customizable						
					Appearance inspection					AQL				
					NO.	QC details								
					5-7	Material qualified								
					5-8	Gear structure qualified								
					5-9	Function qualified								
					5-10	Use data qualified								
Accessories					5-11	Pass the test								
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							