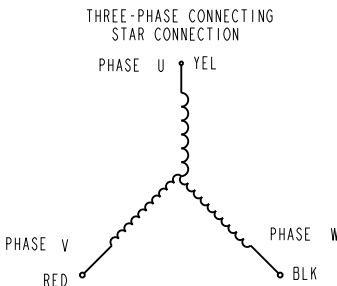
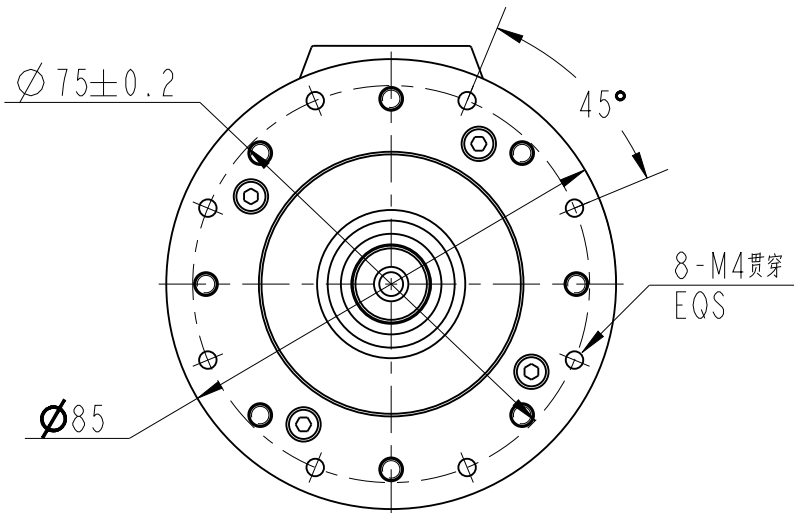
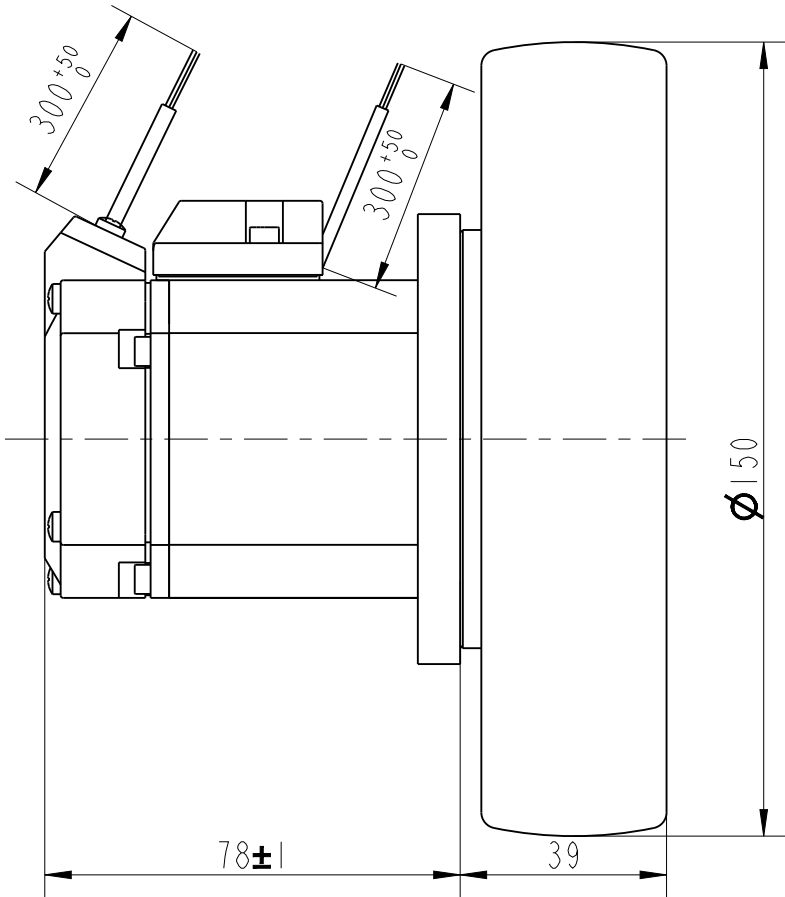
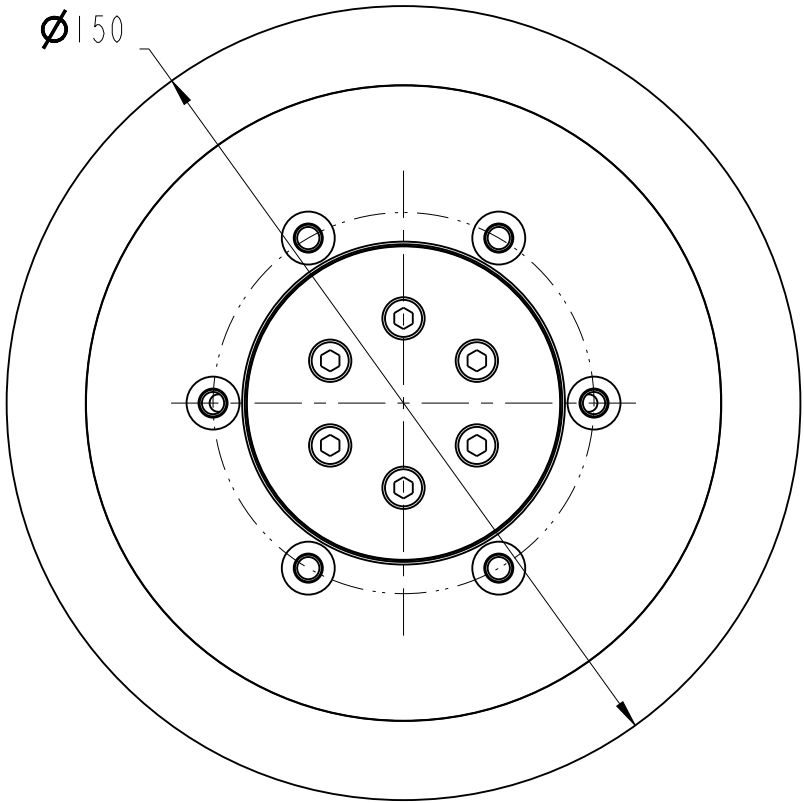


REV	ECN	NO	DESCRIPTION	DRN	APP'D	DATE

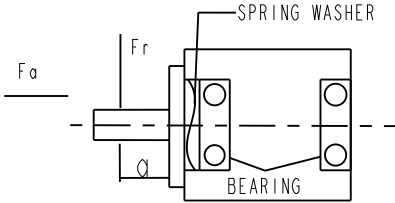


Gearbox specification

Ratio	Nominal output torque	Maximum output torque	Nominal input speed	Maximum input speed
9:1	13Nm	26Nm	3000rpm	6000rpm

Specification after gearbox:
Rated speed: 311rpm±%10
Rated torque: 5.4Nm

PRELIMINARY

NUMBER OF PHASE	绕组相数	3	Wires for Phases AWG19		
NUMBER OF POLES	极数	10	PHASE U	PHASE V	PHASE W
LINE TO LINE RESISTANCE	线电阻	0.38±10% ohms@20°C	YEL	RED	BLK
LINE TO LINE INDUCTANCE	线电感	0.68 ±20% mH@1kHz	Feedback Info		
NOMINAL VOLTAGE	额定电压	48 VDC	Feedback device: 2500ppr incremental magnetic encoder		
NO LOAD SPEED	空载转速	5000±10% RPM			
NO LOAD CURRENT	空载电流	0.6 A(ref)	PERMISSIBLE RADIAL+AXIAL FORCE 		
RATED TORQUE	额定转矩	0.64 N.m			
RATED SPEED	额定转速	2800 RPM			
RATED CURRENT	额定电流	6 A			
PEAK TORQUE	峰值扭矩	1.92 N.m			
PEAK CURRENT	峰值电流	18 A			
BACK EMF CONSTANT	反电势常数	6.5 Vrms/kRPM			
TORQUE CONSTANT	转矩常数	0.107 N.m/A			
INSULATION CLASS	绝缘等级	F 155°C	AXIAL-FORCE	轴向压力	Fa= N Max
DIELECTRIC STRENG	介电强度	600VAC ISEC	DISTANCE	距离	a= mm
INSULATION RESIST	绝缘电阻	100MOhm @500VDC	RADIAL-FORCE	径向压力	Fr= N Max
ROTOR INERTIA	转子转动惯量	0.29 Kg.cm²	SHAFT RADIAL PLAY	径向间隙	mm Max. @4N
WEIGHT	重量	3.95 Kg	SHAFT AXIAL PLAY	轴向间隙	mm Max. @4N
OPERATION AMBIENT	使用环境	Ambient temperature: -20...+50°C, humidity Max.85%(No condensation)			
STORAGE AMBIENT	存储环境	Ambient temperature: -20...+85°C, humidity Max.85%(No condensation)			

Power outlet

Define	Colour
U	YEL
V	RED
W	BLK

Encoder output line definition

Define	Colour	Define	Colour
+5V	RED	Z-	YEL/BLK
GND	BLK	HU+	BRN
A+	GRN	HV+	GRA
B+	ORG	HW+	WHT
Z+	YEL	ERROR	WHT/BLK
A-	GRN/BLK	PE	SHIELD
B-	ORG/BLK		

A			DESIGN	DATE	P/N.	
REV	ECN NO.	DESCRIPTION	WTL	25-10-8	TITLE	SPECIFICATIONS
UNLESS OTHERWISE SPECIFIED TOLERANCES: DECIMALS: .X ±0.5 .XX ±0.25 .XXX ±0.1 UNIT: mm DO NOT SCALE DRAWING		MATERIAL	WEIGHT	CHECK	USED ON	FL60SV20-48V-28EA1-HVG09-1
			SHEET	STANDARDIZATION	DWG NO.	REV A
		FIRST ANGLE PROJECTION	SCALE	APPD	FULLING MOTOR	
			1:1			