

1. Rated Specifications

1-1. Rated voltage	36 VDC
1-2. Rated current	10 A
1-3. Rotation direction	Clockwise when viewed from the lead wire side
1-4. Rated power	250 W
1-5. Rated torque	≥1.9 N·m
1-6. Efficiency	≥80%
1-7. Maximum torque	3 N·m

2. Test Conditions

2-1. Number of poles	14 poles
2-1. Installation method	Lead wires on the right side, clockwise rotation
2-2. Ambient conditions	20 ± 10°C, 65% ± 5% RH
2-3. Power supply	Regulated DC power supply
2-4. Operating environment	-10°C to +35°C

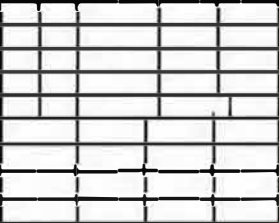
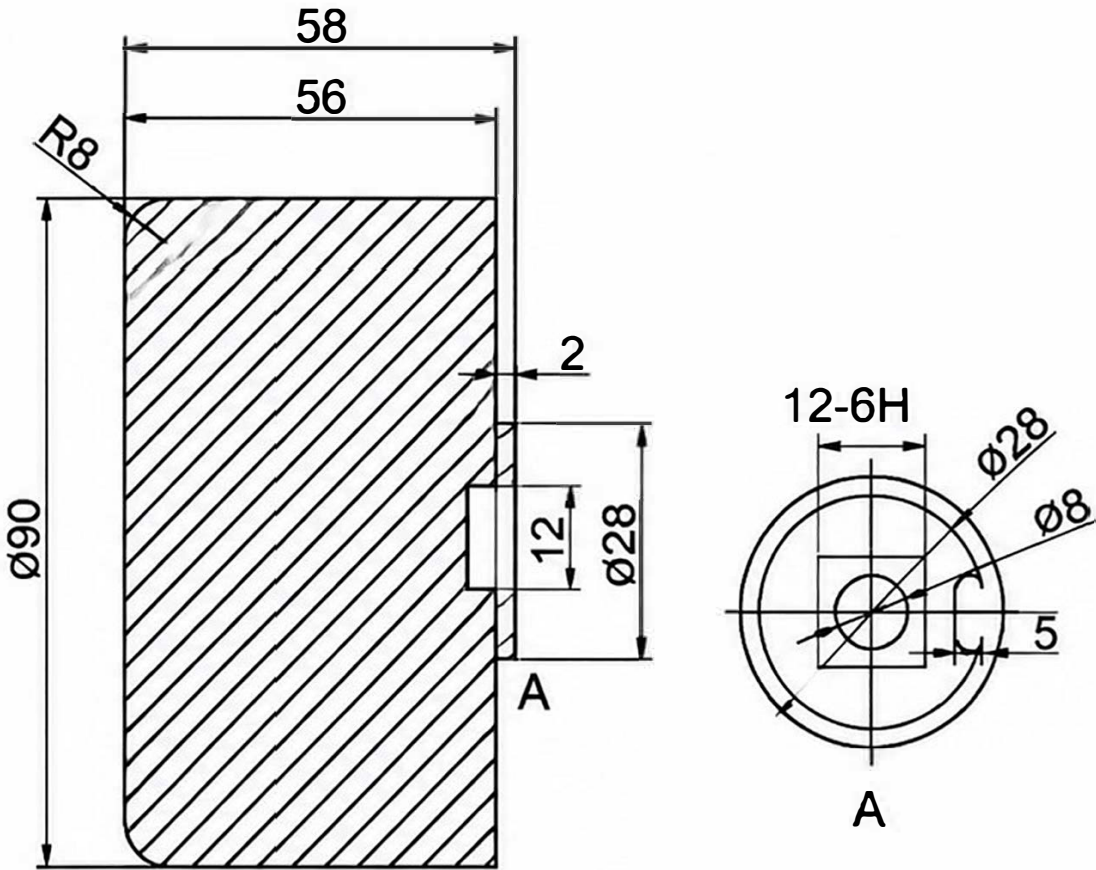
3. Electrical Characteristics

(After initial stage, connect to DC power supply without no-load, no commutation)

3-1. No-load current	≤1 A
3-2. No-load speed	1850 ± 5% RPM
3-4. Protection class	IP44
3-5. Insulation resistance	DC500V 20 MΩ, measured 30 seconds after connecting the motor to the housing
3-6. Insulation class	Class E
3-7. Hall sensor	SF41 / optional
3-8. No-load noise	55 dB
3-9. Braking method	Electronic brake / electromagnetic brake
3-10. PU wheel	PU wheel with 90 mm diameter

4. Motor Features

4-1. Motor configuration	Single-sided shaft / dual output shaft
4-2. Overall dimensions	Refer to the drawing for the outer dimensions (attached). Outer view of DC brushless wheel motor



Overall Dimension Drawing

Φ90 Motor
OY0STEPPER