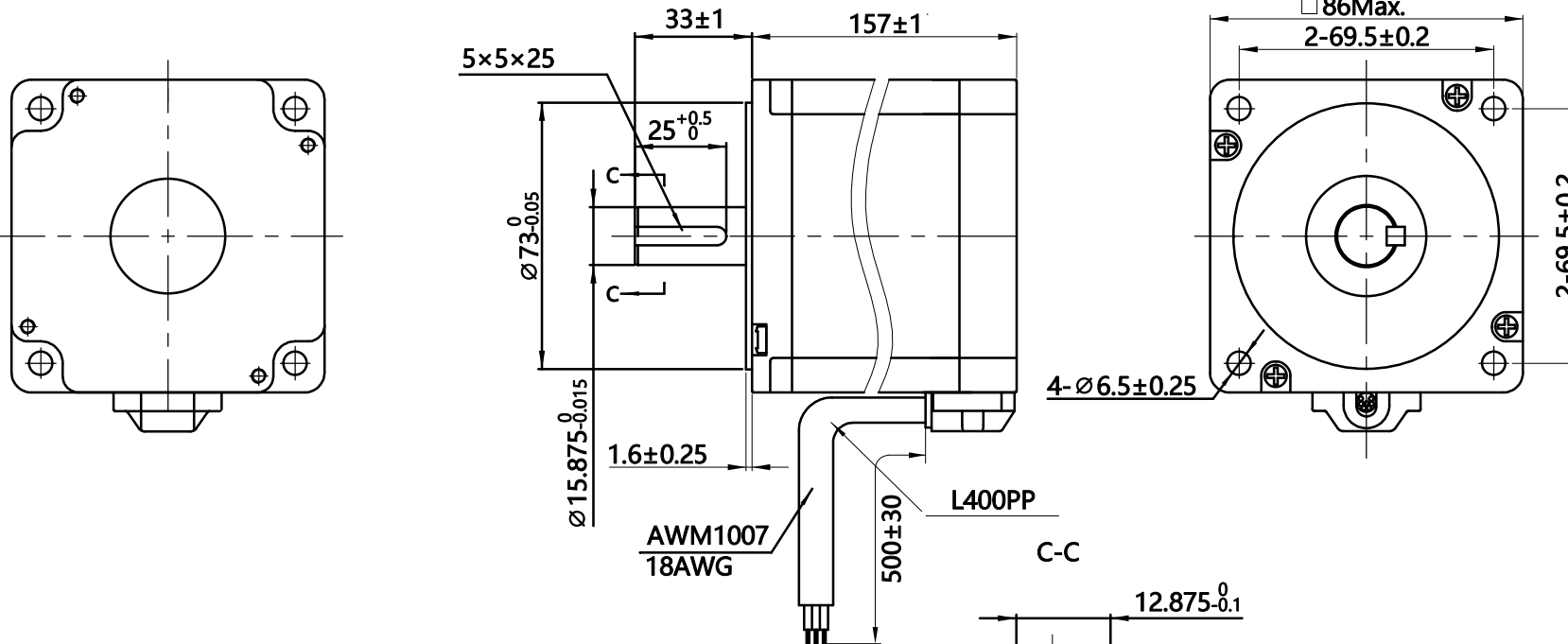
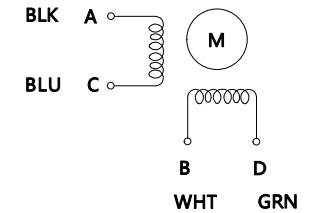


# HYBRID STEPPING MOTOR SPECIFICATION

(DIMENSIONS) unit=mm



## Wiring Diagram



## Exciting Sequence vs. Direction of Rotation

STEP	A	B	C	D	Direction
1	+	+	-	-	CCW ↑
2	-	+	+	-	
3	-	-	+	+	
4	+	-	-	+	

↓ CW

**STEPPER MOTOR**  
**86EX125-15.875**  
 Torque:12.5NM Current:6A  
 Step angle:1.8° Phase:2  
 A+BLK A-BLU B+WHTB-GRN  
 S/N:EX202504090003

**40**

**30**

12, Step Angle	1.8°±5%
11, Number of Phase	4
10, Rated Voltage	4.2V
9, Rated Current/Phase	6A
8, Holding Torque	12.5 N.M
7, Detent Torque	- g-cm
6, Phase Resistance	1.4 Ω±0.1(20°C)
5, Phase Inductance	9 mH±20%(1kHz 1V RMS)
4, Dielectric Strength	AC 500V/ 1min / 5mA Max.
3, Rotor Inertia	1400 g-cm <sup>2</sup>
2, Weight	2.5 kg
1, Insulation Class	B (130°) 80K Max.

### Specifications

### Comment

REV.	ECN NO.	REVISION RECORD	DATE	TITLE	STEPPING MOTOR
DESIGN		CHECK		DWG.NO.	86EX125-15.875
STANDARD		APPROVE		MATERIAL	
TECHNOLOGY		ECN SIGN		REV.	A
				SCALE	1:1
				SHEET	1 of 1

CUSTOMER'S MODELNO. \_\_\_\_\_ REV. \_\_\_\_\_