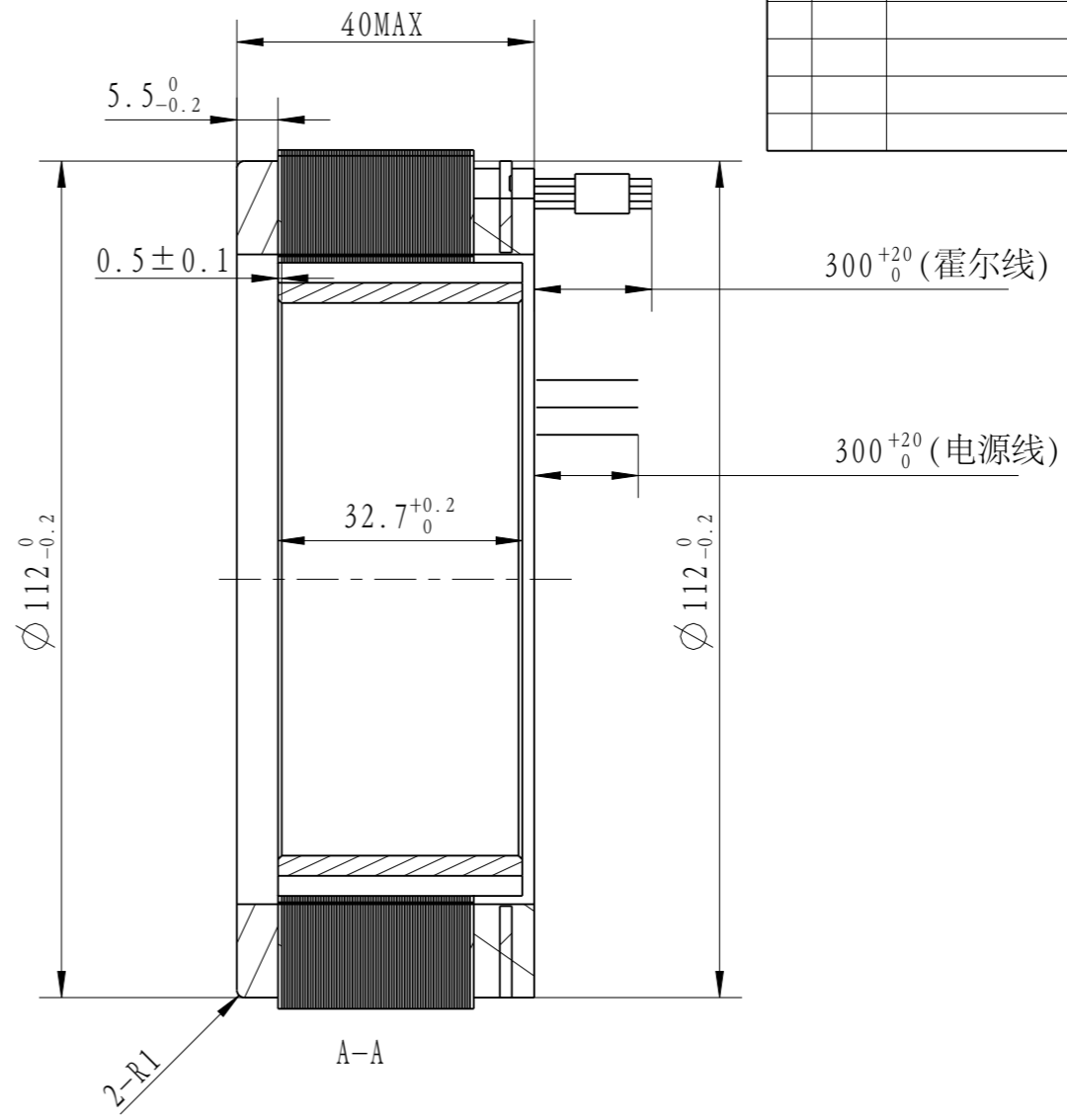
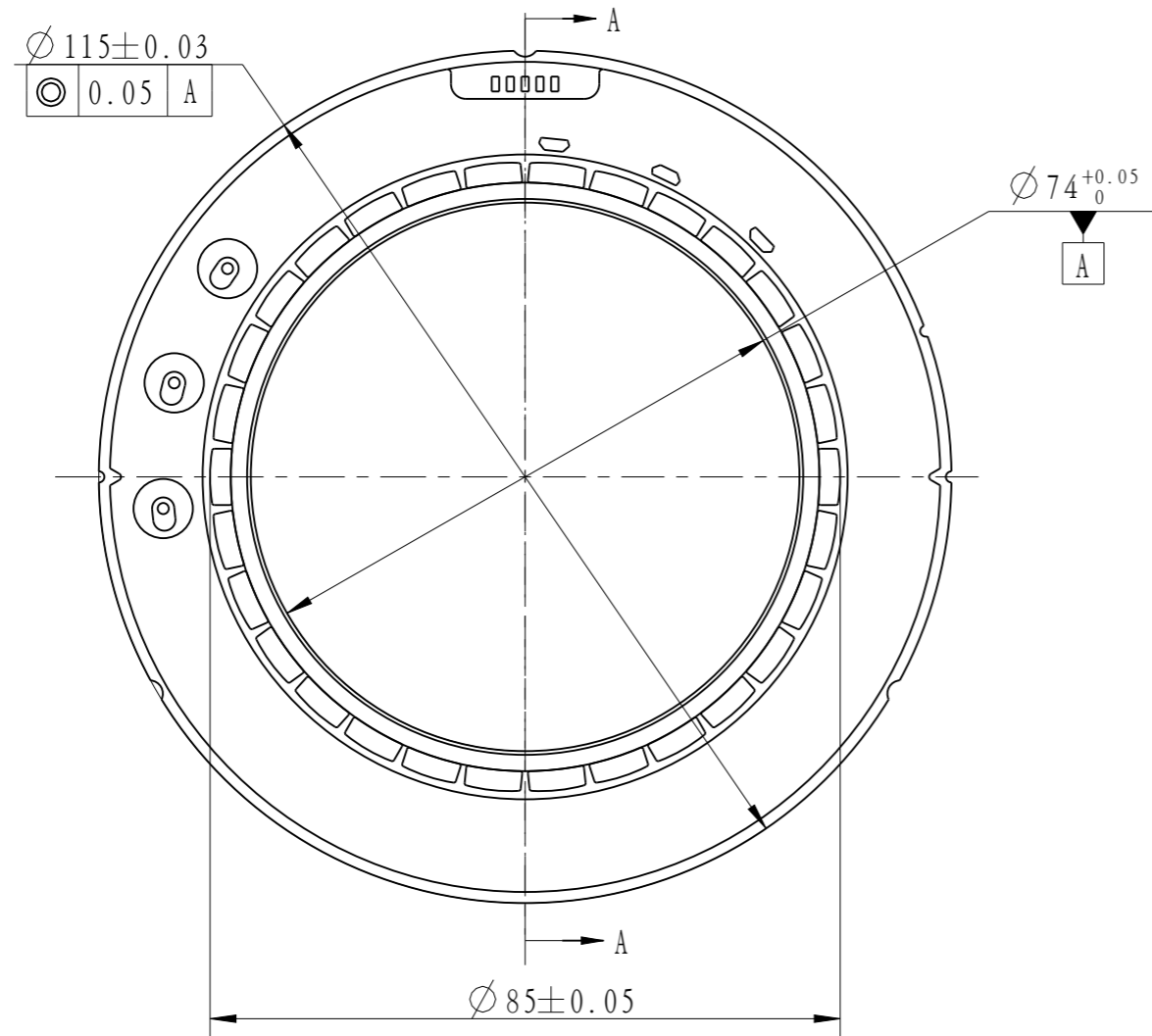
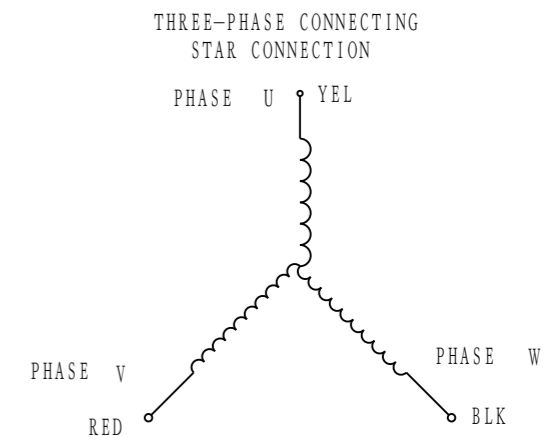
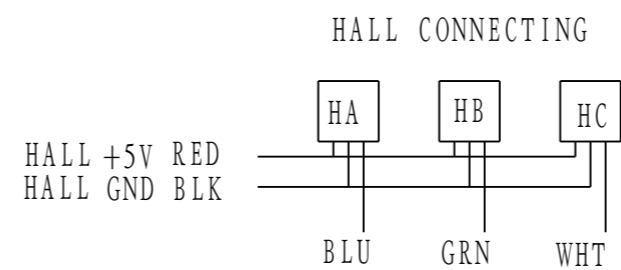


| REV | ECN NO. | DESCRIPTION | DRN | APP'D | DATE |
|-----|---------|-------------|-----|-------|------|
|     |         |             |     |       |      |
|     |         |             |     |       |      |
|     |         |             |     |       |      |
|     |         |             |     |       |      |



|                         |        |                       |  |         |                 |     |
|-------------------------|--------|-----------------------|--|---------|-----------------|-----|
| NUMBER OF PHASE         | 绕组相数   | 3                     | Wires for Phases UL1332 AWG18                                      |         |                 |     |
| NUMBER OF POLES         | 极数     | 30                    | PHASE U  | PHASE V | PHASE W         |     |
| LINE TO LINE RESISTANCE | 线电阻    | 0.15±10% ohms@20°C    | YEL  | RED     | BLK             |     |
| LINE TO LINE INDUCTANCE | 线电感    | 0.25±20% mH@1kHz      | Wires for Hall UL2464 AWG26  |         |                 |     |
| NOMINAL VOLTAGE         | 额定电压   | 48 VDC                | HALL Vc  | Hu      | Hv              | Hw  |
| NO LOAD SPEED           | 空载转速   | 1900±10% RPM          | RED  | BLU     | GRN             | WHT |
| NO LOAD CURRENT         | 空载电流   | 1.4 A(ref)            | PERMISSIBLE RADIAL+AXIAL FORCE                                     |         |                 |     |
| RATED TORQUE            | 额定转矩   | 3.9 N.m               | AXIAL-FORCE  | 轴向压力    | Fa=10 N Max     |     |
| RATED SPEED             | 额定转速   | 1400 RPM              | DISTANCE   | 距离      | a=10 mm         |     |
| RATED CURRENT           | 额定电流   | 14.1 A                | RADIAL-FORCE   | 径向压力    | Fr=28 N Max     |     |
| PEAK TORQUE             | 峰值转矩   | 12.7 mN.m             | SHAFT RADIAL PLAY  | 径向间隙    | 0.02mm Max. @4N |     |
| PEAK CURRENT            | 峰值电流   | 49 A                  | SHAFT AXIAL PLAY   | 轴向间隙    | 0.14mm Max. @4N |     |
| BACK EMF CONSTANT       | 反电势常数  | 17.7 Vrms/kRPM        | OPERATION AMBIENT  |         |                 |     |
| TORQUE CONSTANT         | 转矩常数   | 293 mN.m/A            | 使用环境   |         |                 |     |
| INSULATION CLASS        | 绝缘等级   | B 130°C               | Ambient temperature:-20...+50°C, humidity Max.85%(No condensation) |         |                 |     |
| DIELECTRIC STRENG       | 介电强度   | 1000VAC 1SEC          | STORAGE AMBIENT  |         |                 |     |
| INSULATION RESIST       | 绝缘电阻   | 100MΩ @500VDC         | 存储环境   |         |                 |     |
| ROTOR INERTIA           | 转子转动惯量 | 150 g.cm <sup>2</sup> | Ambient temperature:-20...+85°C, humidity Max.85%(No condensation) |         |                 |     |
| WEIGHT                  | 重量     | 1.2 Kg                |  |         |                 |     |



|  |         |                        |           |              |                     |       |
|--|---------|------------------------|-----------|--------------|---------------------|-------|
| A                                      |         | DESIGN                 | DATE      | P/N.         |                     |       |
| REV                                    | ECN NO. | DESCRIPTION            |           | TITLE        | 115无框电机             |       |
| UNLESS OTHERWISE SPECIFIED TOLERANCES: |         | MATERIAL               | CONTR.    | CHECK        | USED ON             |       |
| DECIMALS: .X ±0.5                      |         | FIRST ANGLE PROJECTION | SCALE 1:2 | SHEET 1 OF 1 | FL115BL25-48V-14570 |       |
| ANGULAR: .XX ±0.25                     |         |                        |           |              | DWG NO.             | REV A |
| .XXX ±0.1                              |         |                        |           |              | FULLING MOTOR       |       |
| UNIT: mm                               |         | DO NOT SCALE DRAWING   |           |              |                     |       |