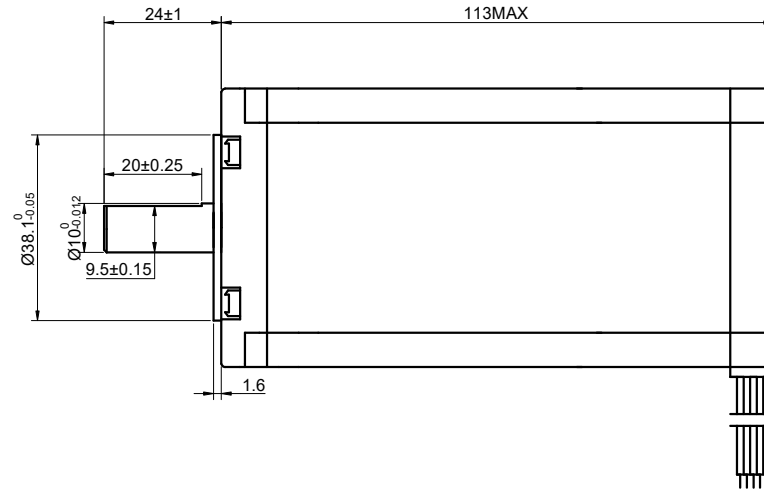
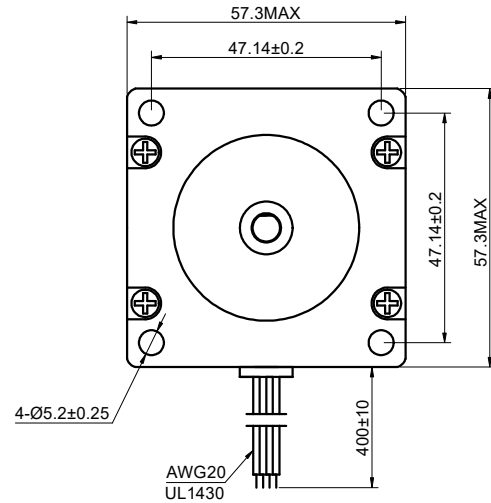


|           |              |         |       |
|-----------|--------------|---------|-------|
| MODEL NO. | 23HS45-4204S | DWG NO. | A1304 |
|-----------|--------------|---------|-------|

CUSTOMER'S MODEL: NO MODEL  
END COVER COLOR: GRAY

| REV. | REVISION RECORD | BY  | DATE      |
|------|-----------------|-----|-----------|
| 0    | ORIGIN          | YSX | 7.31.2025 |
|      |                 |     |           |



| CONNECTION                  | BIPOLAR                |
|-----------------------------|------------------------|
| SPECIFICATION               |                        |
| AMPS/PHASE                  | 4.20                   |
| RESISTANCE/PHASE(Ohms)@25°C | 0.88±10%               |
| INDUCTANCE/PHASE(mH)@1KHz   | 3.40±20%               |
| HOLDING TORQUE(Nm)[lb-in]   | 3.00[26.55]            |
| STEP ANGLE(°)               | 1.80                   |
| STEP ACCURACY(NON-ACCUM)    | ±5.00%                 |
| ROTOR INERTIA(g-cm²)        | 340                    |
| WEIGHT(Kg)[lb]              | —                      |
| AMBIENT TEMPERATURE         | -10°C~50°C[14°F~122°F] |
| INSULATION CLASS            | B 130°C[266°F]         |
| TEMPERATURE RISE            | MAX.80°C               |

COMMENT:

- 1.TMBF 6000h OR MORE @ 24V/300RPM
- 2.INSULATION RESISTANCE (NORMAL TEMPERATURE AND HUMIDITY): 100 Mohm
- 3.DIELECTRIC STRENGTH 500VAC FOR 1MIN.(BETWEEN THE MOTOR COILS AND THE MOTOR CASE )

| FULL STEP 2 PHASE-Ex.,WHEN FACING MOUNTING END (X) |    |    |    |    |  | CCW | CW | DIMENSIONS ARE IN MILLIMETERS. |        |
|----------------------------------------------------|----|----|----|----|--|-----|----|--------------------------------|--------|
| STEP                                               | A+ | B+ | A- | B- |  |     |    | TOLERANCES AS BELOW:           | ANGLES |
| 1                                                  | +  | +  | -  | -  |  |     |    | X ±0.5                         | ±2°    |
| 2                                                  | -  | +  | +  | -  |  |     |    | X.X ±0.25                      |        |
| 3                                                  | -  | -  | +  | +  |  |     |    | X.XX ±0.13                     |        |
| 4                                                  | +  | -  | -  | +  |  |     |    | THIRD ANGLE PROJECTION         |        |

THIS DOCUMENT SHALL NOT BE REPRODUCED  
NOR SHALL THE INFORMATION CONTAINED  
HEREIN BE USED BY OR DISCLOSED TO  
OTHERS UNLESS EXPRESSLY AUTHORIZED IN  
BY WRITING STEPPERONLINE.

| SIGNATURE |     | DATE      |
|-----------|-----|-----------|
| DRN       | YSX | 7.31.2025 |
| APVD      | LJ  | 7.31.2025 |

| MOTOR CONNECTION |         |       |         |
|------------------|---------|-------|---------|
| PIN NO           | BIPOLAR | LEADS | WINDING |
| 1                | A+      | BLK   |         |
| 2                | A -     | GRN   |         |
| 3                | B+      | RED   |         |
| 4                | B -     | BLU   |         |

**STEPPERONLINE®**

**STEPPER MOTOR**

**23HS45-4204S**

|      |   |       |     |         |       |
|------|---|-------|-----|---------|-------|
| REV. | 0 | SCALE | 2:3 | DWG NO. | A1304 |
|------|---|-------|-----|---------|-------|