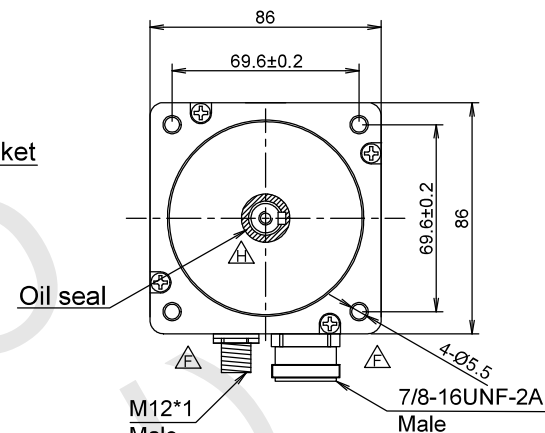
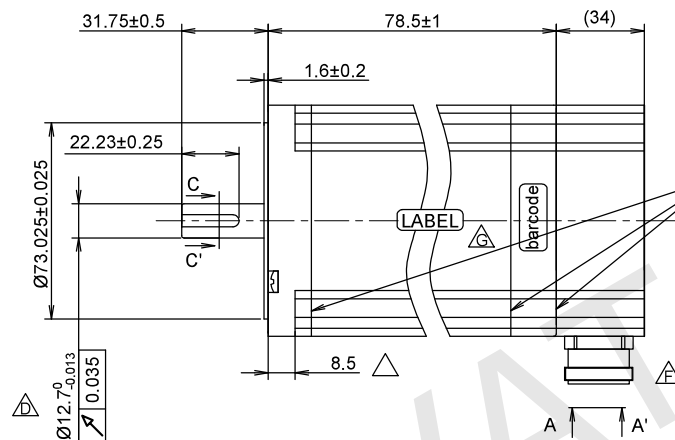
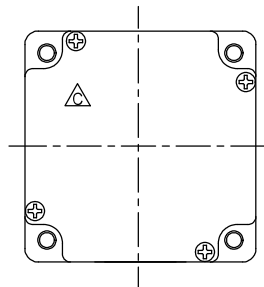


ENCODER SPECIFICATIONS

ENCODER TYPE	Incremental quadrature
POWER SUPPLY	5.00 Vdc
RESOLUTION	1000 ppr
OUTPUT TYPE	Line Driver

MOTOR SPECIFICATIONS

STEP ANGLE	1.8° ±5%
RATED CURRENT	4.00 Amps/Ph
HOLDING TORQUE	5.00 Nm Min.
RESISTANCE	0.91 ohm ±10% at 25°C
INDUCTANCE	6.87 mH ±20%
ROTOR INERTIA	1880 g.cm ²
INSULATION CLASS	Class F, 155°C
DIELECTRIC STRENGTH	1500 Vac 1 minute
IP CODE	IP65
PULL OUT TORQUE	---

BACK EMF	---
DETENT TORQUE	---
WEIGHT	2700 g. approx

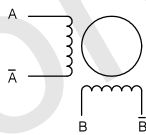
TEMPERATURE RISE	105K Max.
OPERATING TEMPERATURE	-20°C ~ +50°C
STORAGE TEMPERATURE	-20°C ~ +50°C
SHAFT AXIAL LOAD	60 N
SHAFT RADIAL LOAD	220 N (ON FRONT SHAFT END)

PIN NO.1
7/8 5 POLES
MALE
MOTOR

A-A'VIEW

PIN NO.2
M12 8 POLES
MALE
ENCODER

WIRING DIAGRAM



MOTOR	
1	A/
2	A
3	PE
4	B
5	B/

ENCODER	
1	A
2	A/
3	B
4	B/
5	Z
6	Z/
7	5Vdc
8	GND

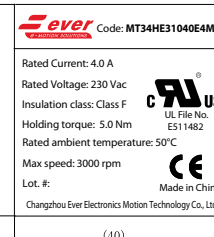
EXCITING SEQUENCE(TWO PHASES)
VS.DIRECTION OF ROTATION

STEP	A	B	Ā	B̄
1	+	+	-	-
2	-	+	+	-
3	-	-	+	+
4	+	-	-	+

CLOCK WISE VIEW FROM MOUNTING SIDE

LABELS

YYWWXXXXX (25 x 8)
Stator barcode label



UNIT: mm
UNLESS OTHERWISE SPECIFIED TOLERANCES
DIMENSIONS : ±0.3 mm DEGREES : ±5%
GEOMETRICAL TOLERANCE FOR FEATURES WITHOUT INDIVIDUAL
TOLERANCE INDICATIONS:GB/T 1184-K EQU ISO 2768-2:K
ORTHOGRAPHIC PROJECTION

DRAWING NOT TO SCALE

REV

00a / 00b - First release / Correct the electrical parameters and p/n.
00c - Change the connector and the rear cover.
00d - Modify the front shaft diameter as customer request.
00e - Removed the cables.
00f - Change the connectors.
00g / 00h - Modified as customer requirements and fixed the oil seal view.
00i / 01i - Change installation holes depth./ Update the label for UL requirements.

SPECIFICATION	Stm02732-01i
DESIGNER	Ever China
CHECK	Mario Bianchi
APPROVED	Matteo Caldi
DATE	01 / 12 / 2025

MT34HE31040E4M1
STEPPING MOTOR SPECIFICATION



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Mod. 8.2-5 Rev.02