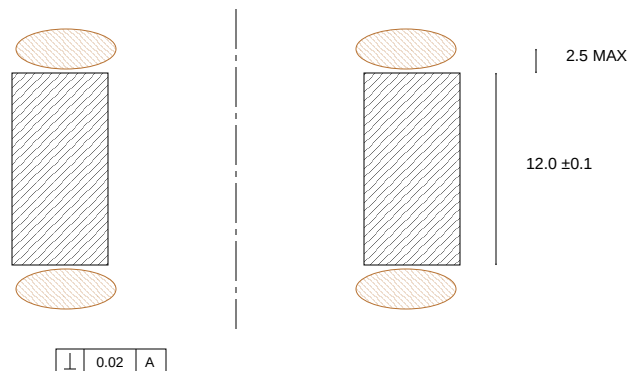
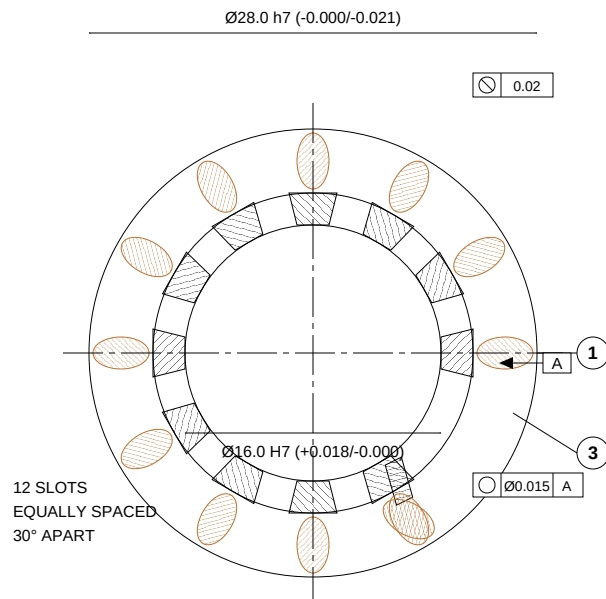
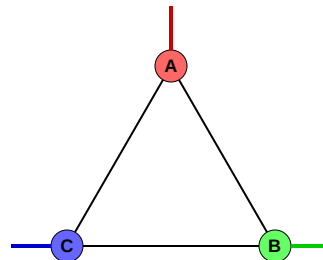


SCALE 4:1

SCALE 4:1



WINDING SCHEMATIC
12N14P dLRK DELTA



KV Rating: 950 RPM/V
Configuration: 12N14P
Termination: Delta
Phase Resistance: 65 $\pm$ 10 m Ω
Inductance: 22 $\pm$ 5 μ H
Insulation Class: H (180°C)

1. DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
2. INTERPRET DRAWING PER ASME Y14.5-2018.
3. LAMINATIONS: M19 SILICON STEEL, 0.35mm THICK, 34 SHEETS.
4. LAMINATION COATING: C5 INSULATION PER ASTM A976.
5. STACK PRESSURE: 200 PSI DURING BONDING.
6. WIRE: 24 AWG CLASS H (200°C), 7 TURNS PER TOOTH.
7. WINDING PATTERN: dLRK (DISTRIBUTED TERMINATION).
8. PHASE RESISTANCE: $65 \pm 10 \text{ m}\Omega$ (PHASE TO PHASE).
9. VARNISH: DOLPHON CC-1105 (220°C RATED), VACUUM IMPREGNATE.
10. HI-POT TEST: 500V AC, 60 SEC, PHASE-TO-GROUND, NO BREAKDOWN.
11. END TURN HEIGHT: 2.5mm MAX FROM LAMINATION FACE.

ITEM	PART NUMBER	DESCRIPTION	QTY
1	GNT-2812-004-1	LAMINATION STACK	1
2	GNT-2812-004-2	SLOT INSULATION	12
3	GNT-2812-004-3	WINDING, PHASE A	1
4	GNT-2812-004-4	WINDING, PHASE B	1
5	GNT-2812-004-5	WINDING, PHASE C	1
6	DOLPHON CC-1105	VARNISH	AR
7	GNT-2812-004-7	END TURN SUPPORT	2

REV	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	12/07/25	JW

DoD Drone Dominance Program - Model-F

DRAWN J. WALLER	DATE 12/07/25	SCALE 4:1	SIZE B	PART NUMBER
CHECKED ---		SHEET 5 OF 8		GNT-2812-00
APPROVED-	STATOR ASSY			