

1. MATCHED SET - DO NOT ISSUE SEPARATELY.

2. RUNOUT MEASURED WITH UNIT MOUNTED.

3 ROTOR TO BE AXIALLY ALIGNED WITH C WITHIN .025.

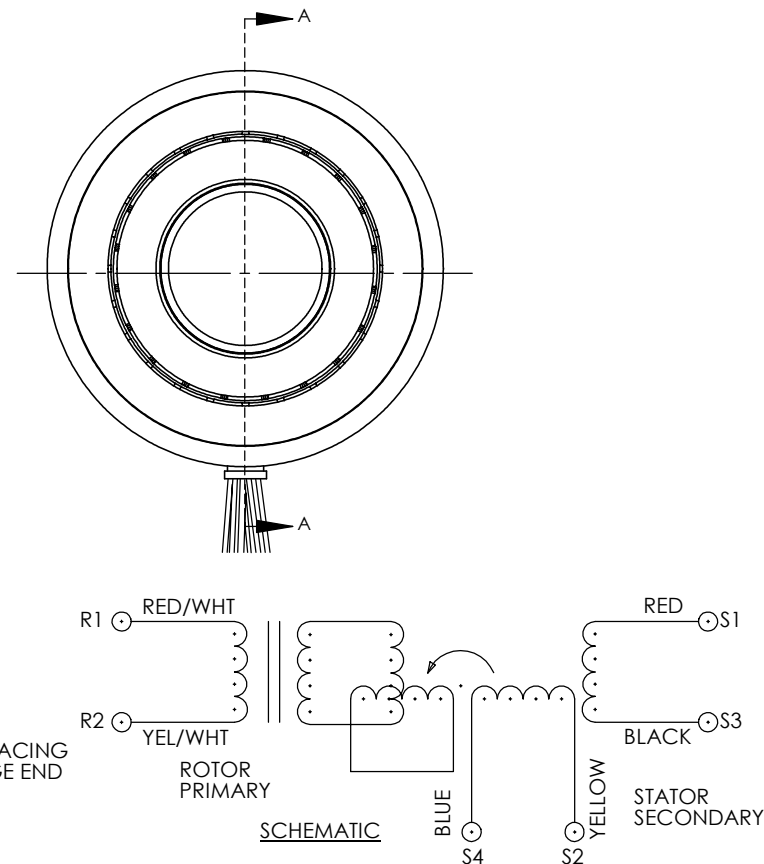
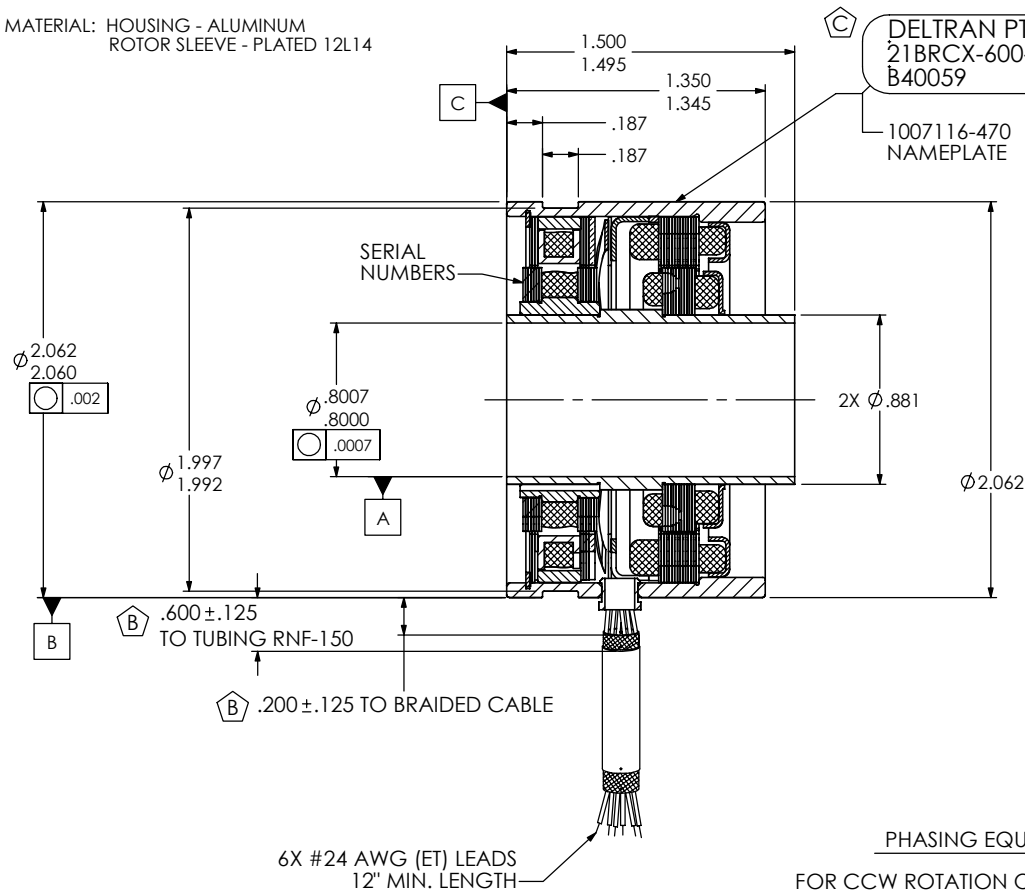
4. MAX. ERROR FROM E-Z OF ± 10 MINUTE WHEN ROTOR IS MOUNTED ON SHAFT WERE RUNOUT IS .003 F.I.R. AND MOUNTING CONCENTRICITY OF STATOR IS .004 F.I.R.

5 LEADS TO BE TWISTED PAIRS COVERED WITH A SINGLE TIN PLATED TUBULAR BRAID AND HEAT SHRINKABLE RNF-150 TUBING.

6 UNIT ACCURACY AND TR VALUES TO MARKED ON NAMEPLATE.

7 MATERIAL: HOUSING - ALUMINUM
ROTOR SLEEVE - PLATED 12L14

ELECTRICAL DATA		7500 Hz
Input Voltage	Volts RMS	4.25
Input Current	Max. MA	55
Input Power	Nom. Watts	.14
Impedance ZRO	Ohms	62+J 61
Impedance ZRS	Ohms	54+J 54
Impedance ZSO	Ohms	80+J137
Impedance ZSS	Ohms	67+J122
Transformation Ratio	±5%	.470
Output Voltage	± 5% Volts	2.0
DC Rotor Resistance	±15% Ohms	36
DC Stator Resistance	±15% Ohms	15
Max. Error From E-Z	Minutes	±7
Phase Shift (Open Circuit)	Nom.	4±3°
Null Voltage	Max. MV	20
Hipot to Case	60Hz VRMS	500
Hipot Between Phases	60Hz VRMS	250



PHASING EQUATION

FOR CCW ROTATION OF ROTOR FACING
TRANSFORMER MOUNTING FLANGE END

$$\begin{aligned} E(S1-S3) &= KE(R1-R2) \cos \theta \\ E(S2-S4) &= -KE(R1-R2) \sin \theta \end{aligned}$$

THIS DRAWING HAS BEEN
CREATED BY CAD/CAM. DO NOT
MANUALLY REVISE OR UPDATE.

Tolerancing Complies With ANSI/ASME Y14.5M-1994

																	TOLERANCES UNLESS SPECIFIED
																	DECIMAL .XXX ±0.05
																	DECIMAL .XX ±0.10
																	DECIMAL .X ±0.30
																	FRACTION ±1/64
																	ANGLES ±1°00'
																	DRAWN
																	D. HERRINGTON
																CHECKED	DCH 10/28/99
																ENGR	RKT 10/28/99
																APPROV	MCP 11/1/99
																A	ECHO#16172
																DATE	10/99 RKT
CHG.	REVISIONS	DATE	APPR.	CHG.	REVISIONS	DATE	APPR.	CHG.	REVISIONS	DATE	APPR.	CHG.	REVISIONS	DATE	APPR.	CODE IDENT NO.	58655

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OUTLINE & PERFORMANCE SPECIFICATIONS

RESOLVER BRUSHLESS FRAMELESS

SCALE 2:1	DWG. NO.	21BRCX-600-J12 SHEET #1 OF 2
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