

1. RUNOUT MEASURED WITH UNIT MOUNTED.

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

3. 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.

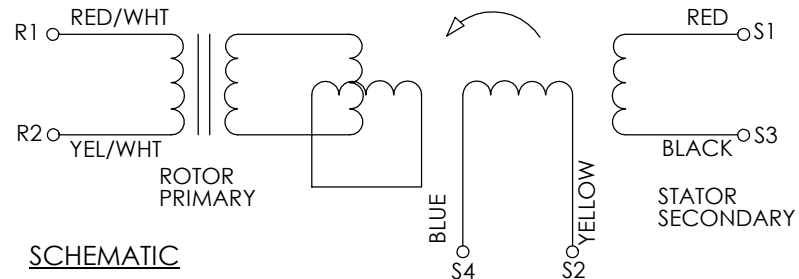
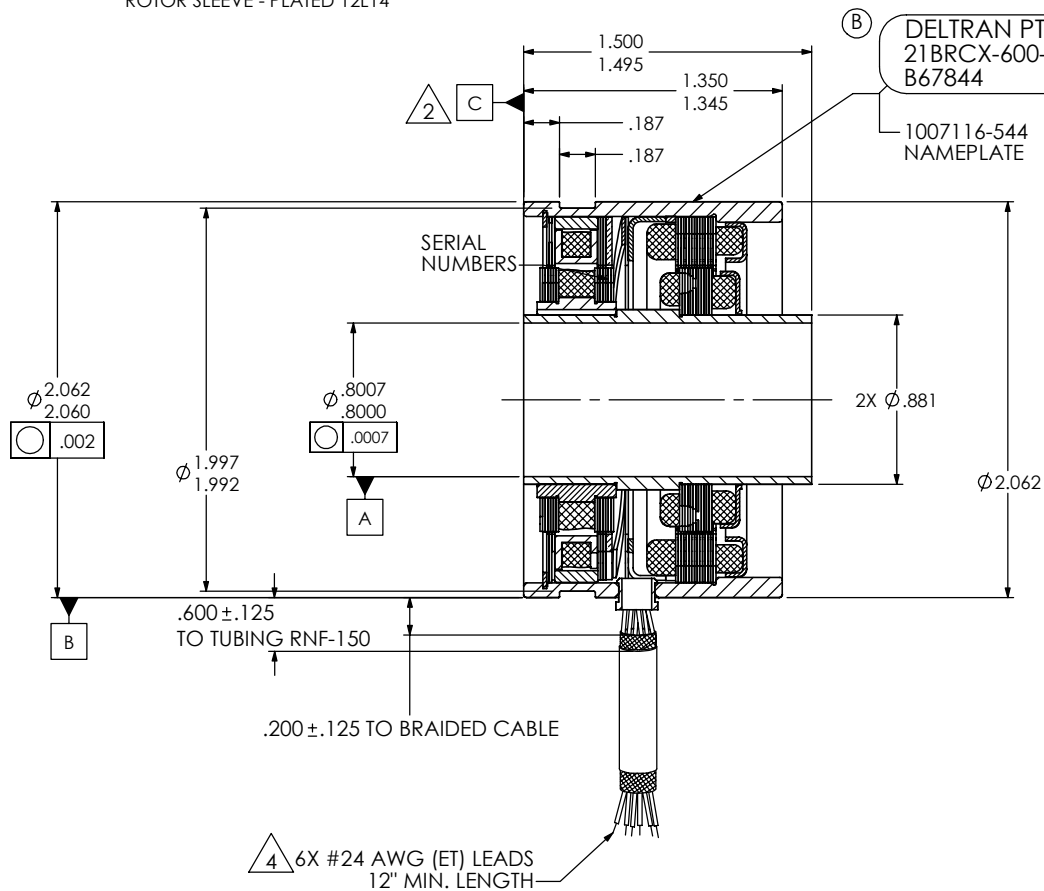
4 LEADS TO BE TWISTED PAIRS COVERED WITH A SINGLE TIN PLATED TUBULAR BRAID AND HEAT SHRINKABLE RNF-150 TUBING.

5. UNIT ACCURACY AND TR VALUES TO MARKED ON NAMEPLATE.

6. MATERIAL: HOUSING - ALUMINUM
ROTOR SLEEVE - PLATED 12L14

MECHANICAL DATA		
Temperature Range	Deg. C	-55 To +155
Rotor Moment Of Inertia	OZ-IN-SEC ²	0.0028
Weight	Oz.	9.4
Max. Continuous Speed	KRPM	20

ELECTRICAL DATA		5000 HZ
Input Voltage	Volts RMS	7.0
Input Current	Max. MA	77
Input Power	Nom. Watts	.25
Impedance ZRO	Ohms	63+J 92
Impedance ZRS	Ohms	54+J 77
Impedance ZSO	Ohms	77+J150
Impedance ZSS	Ohms	66+J124
Transformation Ratio	±10%	.50
Output Voltage	±10% Volts	3.5
DC Rotor Resistance	±15% Ohms	31
DC Stator Resistance	±15% Ohms	22
Max. Error From E-Z	Minutes	±7
Phase Shift (Open Circuit)	Nom.	6±3°
Null Voltage	Max. MV	30
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

[illegible]

DELTRAN PT - Harowe

PROPRIETARY RIGHTS OF DELTRAN PT - HAROWE ARE INCLUDED IN THE INFORMATION DISCLOSED HEREIN. DO NOT DUPLICATE OR DISCLOSE TO THIRD PARTIES WITHOUT WRITTEN PERMISSION OF DELTRAN PT.

OUTLINE & PERFORMANCE SPECIFICATIONS

RESOLVER BRUSHLESS FRAMELESS

SCALE 2:1	DWG. NO. 21BRCX-600-H12	SHEET #1 OF 2	B
--------------	-------------------------	---------------	---