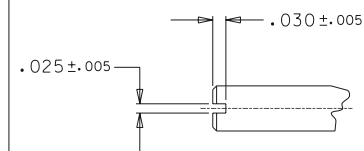


NOTES:

1. SHAFT END PLAY MEASURED WITH A 8 OZ. REVERSE GAGE LOAD.
2. RADIAL PLAY MEASURED WITH A 4 OZ. REVERSE GAGE LOAD.
3. MEASURED IN A VERTICAL POSITION.
4. ACCURACY VALUES TO BE STAMPED AT LOCATIONS SHOWN IN REAR VIEW.
REF. - NEGATIVE VALUES TO RIGHT OF LEADS
POSITIVE VALUES TO LEFT OF LEADS
5. CHECK EVERY 5° ON API.



DETAIL "A"

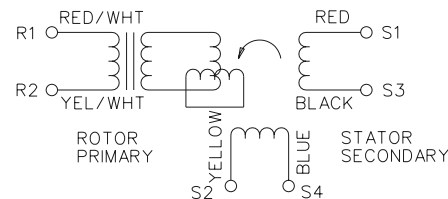
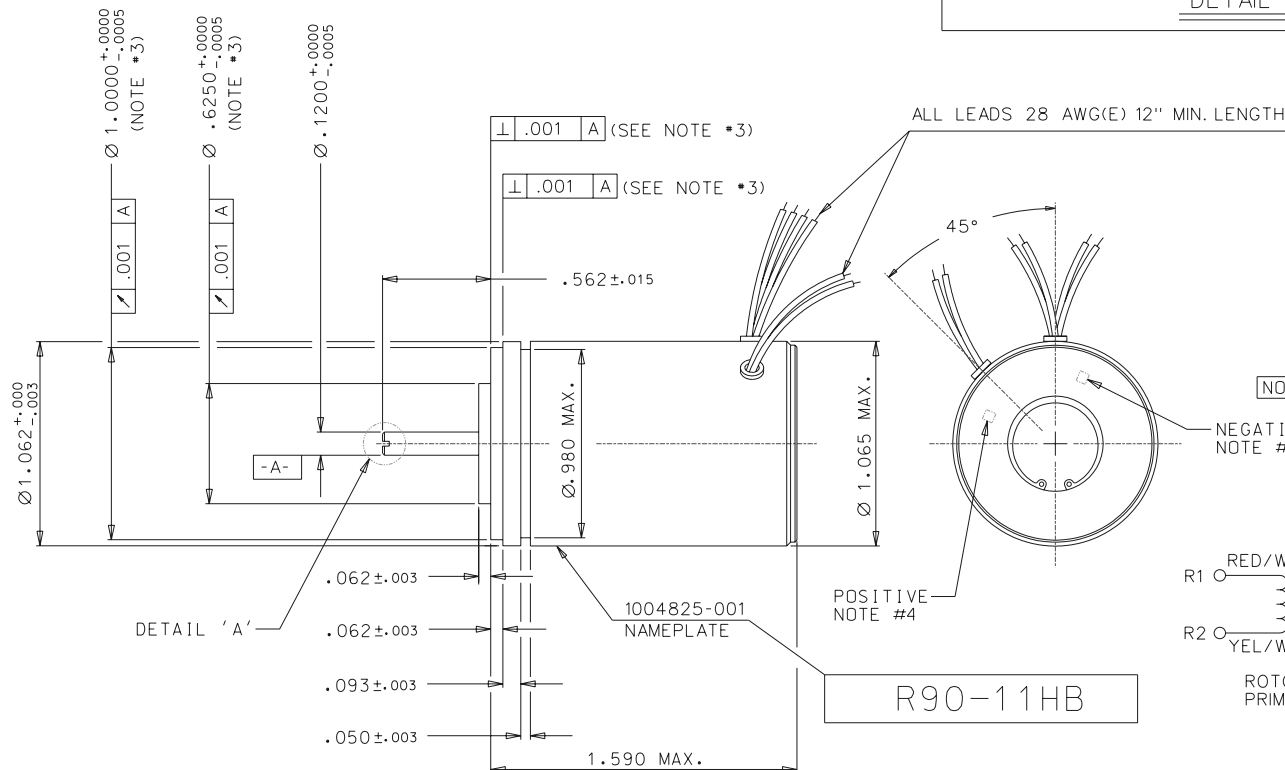
TYPICAL MECHANICAL DATA

TEMPERATURE RANGE		°C	-55 to +125
FRICTION @+25°C	GM-CM	3	
FRICTION @-55°C	GM-CM	5	
ROTOR MOMENT OF INERTIA	GM-CM ²	3.5	
SHAFT END PLAY	(See Note 1)	.001 to .002	
SHAFT RADIAL PLAY	(See Note 2)	.001 MAX.	
SHAFT RUNOUT	F.I.R.	.001 MAX.	
WEIGHT	GRAMS AVG	116	

TYPICAL ELECTRICAL DATA

INPUT VOLTAGE @ 400HZ	VOLTS	8
INPUT CURRENT	MAX. MA	26
INPUT POWER	NOM. WATTS	.10
IMPEDANCE ZSO	OHMS	440+j570
IMPEDANCE ZSS	OHMS	380+j215
IMPEDANCE ZRO	OHMS	190+j300
IMPEDANCE ZRS	OHMS	180+j125
TRANSFORMATION RATIO	±5%	1.00
OUTPUT VOLTAGE	±5% VOLTS	8
D.C. ROTOR RESISTANCE	±10% OHMS	25
D.C. STATOR RESISTANCE	±10% OHMS	119
SENSITIVITY	MV/DEG	140
MAX. ERROR	MINUTES	±7
PHASE SHIFT (OPEN CIRCUIT)		+11
NULL VOLTAGE (TOTAL) RMS	MV	30 MAX.
HIPOT TO CASE	60HZ VRMS	500
HIPOT BETWEEN PHASES	60HZ VRMS	250

FILENAME: 11BRCX17.DGN



SCHEMATIC

PHASING EQUATION

FOR CCW ROTATION OF SHAFT
FACING SHAFT END.

$$E(S1-S3) = KE (R1-R2) \cos \theta$$

$$E(S2-S4) = KE (R1-R2) \sin \theta$$

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

Tolerancing Complies
With ANSI/ASME
Y14.5M-1986

CHG. REVISIONS DATE APPR.

CHG. REVISIONS DATE APPR.

G ECO#14155 10/93 RKT

TOLERANCES
UNLESS SPECIFIED
DECIMAL .XXX ±.005
DECIMAL .XX ±.010
DECIMAL .X ±.030
FRACTION 1/64 ±.001
ANGLES ±0°30'

DRAWN
D. HERRINGTON
CHECKED
DCH 11/1/93
ENGR
RKT 11/1/93
APPROV
DEH 11-9-93

CODE IDENT NO.
58655

DANAHER INDUSTRIAL CONTROLS

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

OUTLINE & PERFORMANCE SPECIFICATIONS

SYNCHRO-RESOLVER TRANSMITTER
(BRUSHLESS)

DWG. NO. 11BRCX-300-N10B-01 G