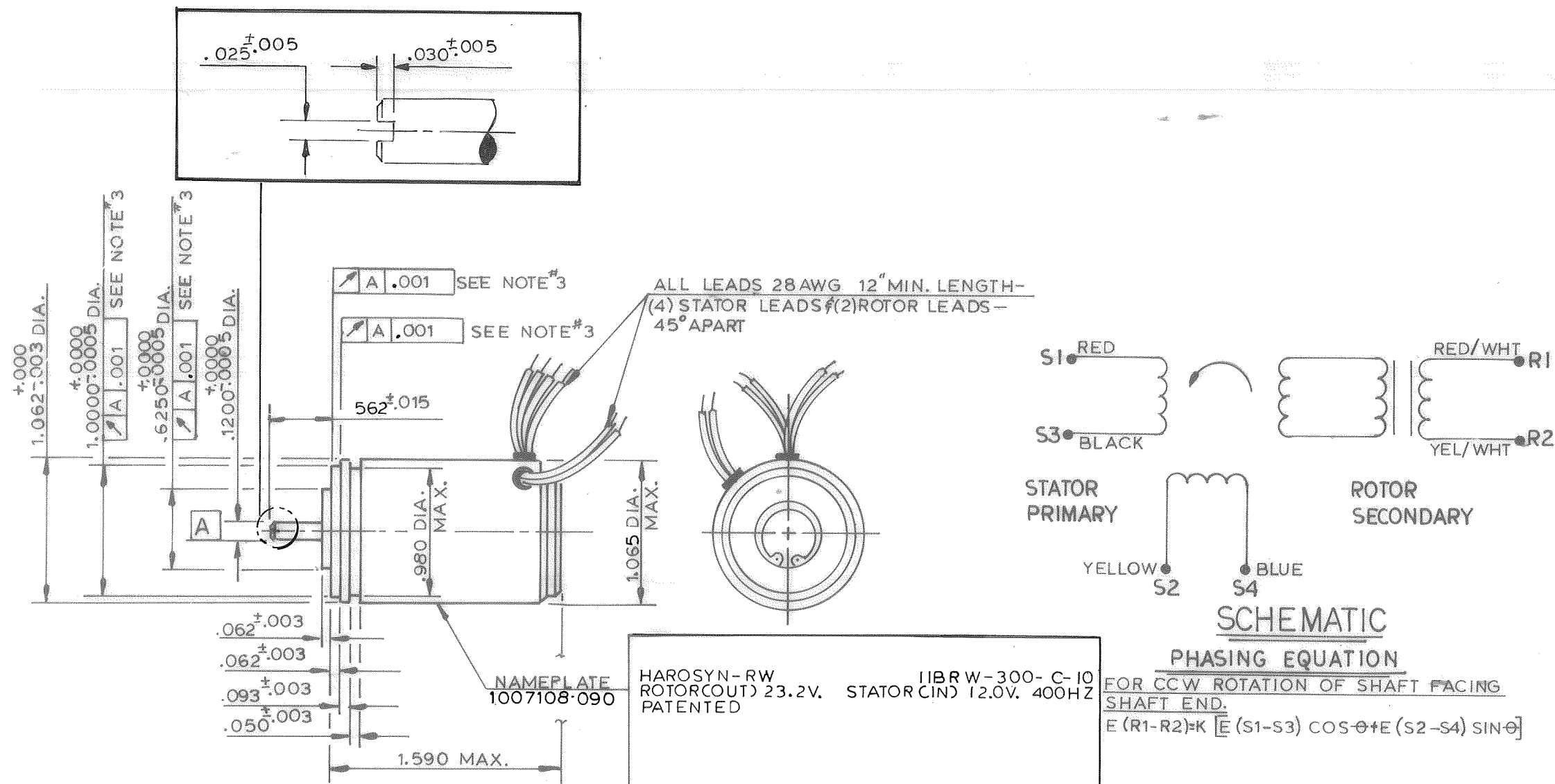


1~SHAFT END PLAY MEASURED WITH A 8OZ. REVERSE GAGE LOAD.
2~RADIAL PLAY MEASURED WITH A 4OZ REVERSE GAGE LOAD.
3~MEASURED IN A VERTICAL POSITION.
4~
5~THE INPUT CURRENT VARIATION ON EACH STATOR WINDING SHALL NOT BE GREATER THAN 4MA TOTAL PER WINDING AS THE SHAFT IS ROTATED THROUGHOUT 360°.

TYPICAL MECHANICAL DATA		
TEMPERATURE RANGE	C°	-55 to +125
FRICTION @ 25° MAX	GM-CM	4
FRICTION @ 55° MAX	GM-CM	8
ROTOR MOMENT OF INERTIA	GM-CM ²	3.6
SHAFT END PLAY (SEE NOTE #1)		.001 to .002
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	12.0
INPUT CURRENT	MAX. MA	9.2
INPUT POWER	NOM. WATTS	.025
IMPEDANCE ZSO	OHMS	425+j1525
IMPEDANCE ZSS	OHMS	700+j925
IMPEDANCE ZRO	OHMS	9400+j11700
IMPEDANCE ZRS	OHMS	9800+j5400
TRANSFORMATION RATIO	±5%	1.93
OUTPUT VOLTAGE	± 5% VOLTS	23.2
D.C. ROTOR RESISTANCE	±10% OHMS	4,000
D.C. STATOR RESISTANCE	±10% OHMS	197
SENSITIVITY	MV/ DEG	405
MAX. ERROR FROM E.Z.	MINUTES	±10
PHASE SHIFT (OPEN CIRCUIT) LEADING		9.0
NULL VOLTAGE (TOTAL) RMS	MV	30
HIPOT TO CASE	60HZ VRMS	500
HIPOT BETWEEN PHASES	VRMS	250

Bowmar/Harowe
WEST CHESTER, PA. 19380

OUTLINE & PERFORMANCE SPECIFICATIONS

SYNCHRO RESOLVER
(BRUSHLESS)

DWG. NO. 11BRW-300-C-10

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