

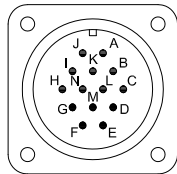
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MOTOR MODEL NO.: GM2340-8		
CONFIG. CODE: GM2340-8-00406410-369A		
MOTOR CONSTANTS	UNITS	VALUE
CONTINUOUS STALL TORQUE	IN-LB	3.1
PEAK TORQUE	IN-LB	15.5
TORQUE CONSTANT (K _T)	IN-LB/AMPS	.63
R _A *	OHMS	.9
INDUCTANCE (L _A)*	MHY	2.5
BEMF *	VOLTS/1000 RPM	8
MAXIMUM SPEED	RPM	5000
INERTIA (J _A)	IN-LB-SEC ²	0.0004
TACHOMETER OUTPUT	VOLTS/1000 RPM	-
TACHOMETER RIPPLE	PERCENT	-
WEIGHT	LB/KG	-



97-3102A-20-27P(946)

PIN	FUNCTION	PIN	FUNCTION
A	ENC. SHIELD	H	MOTOR C.C.W. (+)
B	N/C	I	N/C
C	MOTOR C.C.W. (-)	J	CHANNEL B-
D	CHANNEL Z+	K	N/C
E	CHANNEL B+	L	CHANNEL Z-
F	ENC. COMMON	M	ENCODER +5V
G	CHANNEL A+	N	CHANNEL A-

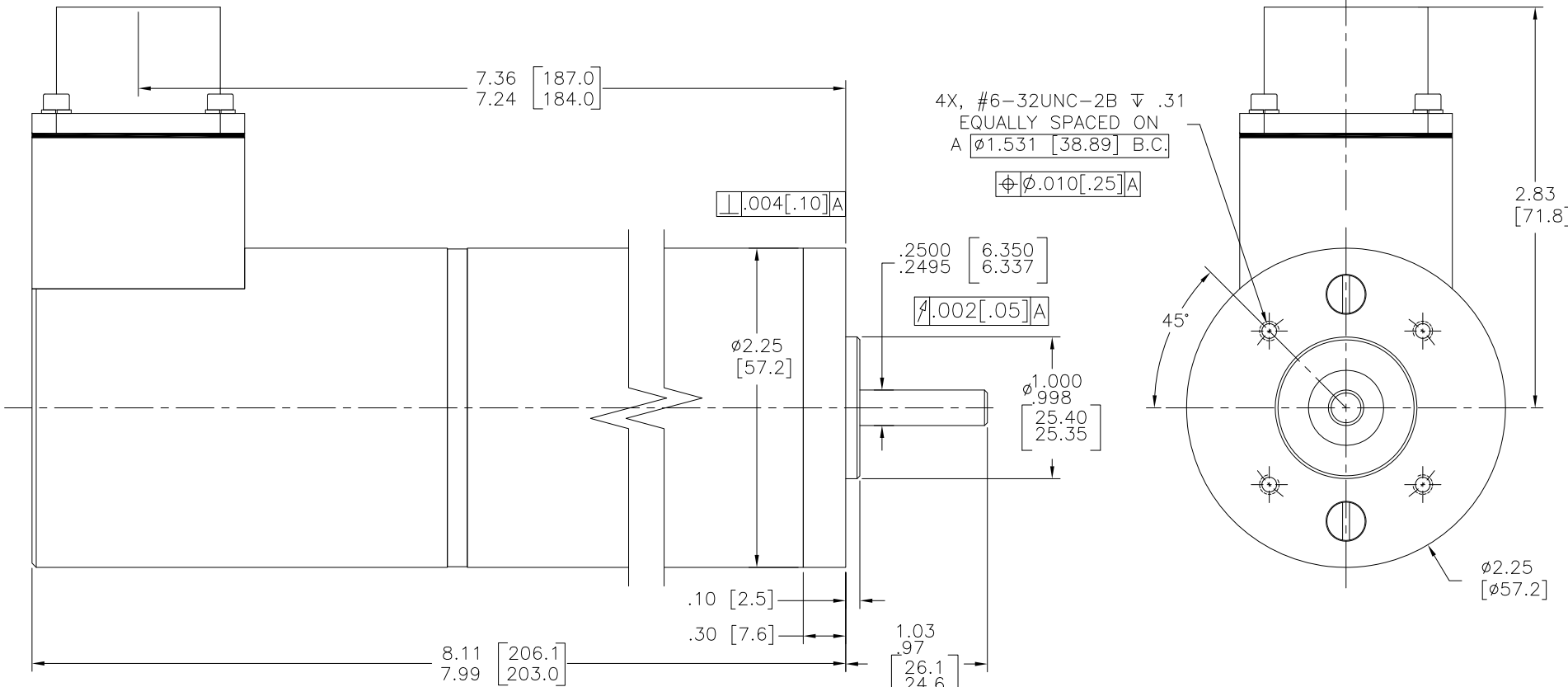
** CONNECTOR INDEX FACING AWAY FROM SHAFT END.

REVISION HISTORY						
ZONE	REV	DESCRIPTION	ECO	DATE	CHANGED	APPD
-	A	INITIAL DRAWING RELEASE	-	3DEC20	M. TAGUPA	R.D.M.

ENCODER'S DATA CHART

LINE COUNT	1000 PPR
FREQUENCY RESPONSE	200 kHz MAX. (UP TO 85 °C) 100 kHz MAX. (UP TO 100 °C)
RISE AND FALL TIME	100 nSEC. MAX.
FRICTION TORQUE	5.9 X 10 ⁻³ N · m MAX. (60 g · cm MAX.)
ROTOR MOMENT OF INERTIA	1 X 10 ⁻⁶ kg · m ² MAX. (10 g · cm ² MAX.)
MAX. SPEED	100 S ⁻¹ (6000 RPM)
OPERATING TEMP. RANGE	-20 °C ~ +100 °C
STORAGE TEMP. RANGE	-25 °C ~ +100 °C
VIBRATION (TEST ARTICLES)	49 m/S ² (5 G) 10 ~ 500 Hz.
SHOCK (TEST ARTICLES)	490 m/S ² (50 G) 11 mSEC.

* INDICATES ±10%



- NO SHAFT SEAL INSTALLED.
 - MOTOR FINISH: BLACK.
 - INCHES [MILLIMETERS].
 - WITH A POSITIVE VOLTAGE APPLIED TO PIN "H" (RED MOTOR LEAD) WITH RESPECT TO PIN "C" (BLACK MOTOR LEAD), THE MOTOR DRIVE SHAFT WILL TURN IN THE "CCW" DIRECTION AS VIEWED FROM THE SHAFT END.
- NOTE: UNLESS OTHERWISE SPECIFIED.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVAL	DATE
TOLERANCES ARE AS FOLLOWS: DECIMAL: -XX = +0.01 -XXX = +0.005 ANGULAR: < = +0.5°	DWN BY: M. TAGUPA	3DEC20
FINISH: 125 ✓ MAXIMUM	CHK BY: R.D.M.	3DEC20
	APP BY: R.D.M.	3DEC20

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DRAWING TITLE
INSTALLATION DRAWING

SIZE	MODEL	DRAWING NUMBER	REV
C	GM2340-8	30280-1	A

SCALE: 1.75:1 FILE NAME: 30280-1RA.DWG SHEET 1 OF 1

CONFIGURATION CODE: GM2340-8-00406410-369A

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