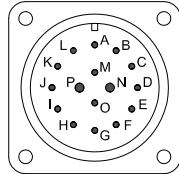


MOTOR MODEL NO.: GM4040-41		
CONFIG. CODE: GM4040-41-02402511-344A		
MOTOR CONSTANTS	UNITS	VALUE
CONTINUOUS STALL TORQUE	IN-LB	31.3
PEAK TORQUE	IN-LB	156.5
TORQUE CONSTANT (K _T)	IN-LB/AMPS	3.44
R _A *	OHMS	0.8
INDUCTANCE (L _A)*	MHY	5.60
BEMF *	VOLTS/1000 RPM	41
MAXIMUM SPEED	RPM	3500
INERTIA (J _A)	IN-LB-SEC ²	0.01630
TACHOMETER OUTPUT	VOLTS/1000 RPM	7
TACHOMETER RIPPLE	PERCENT	1
WEIGHT	LB	-



ACC02E24-7P-025

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

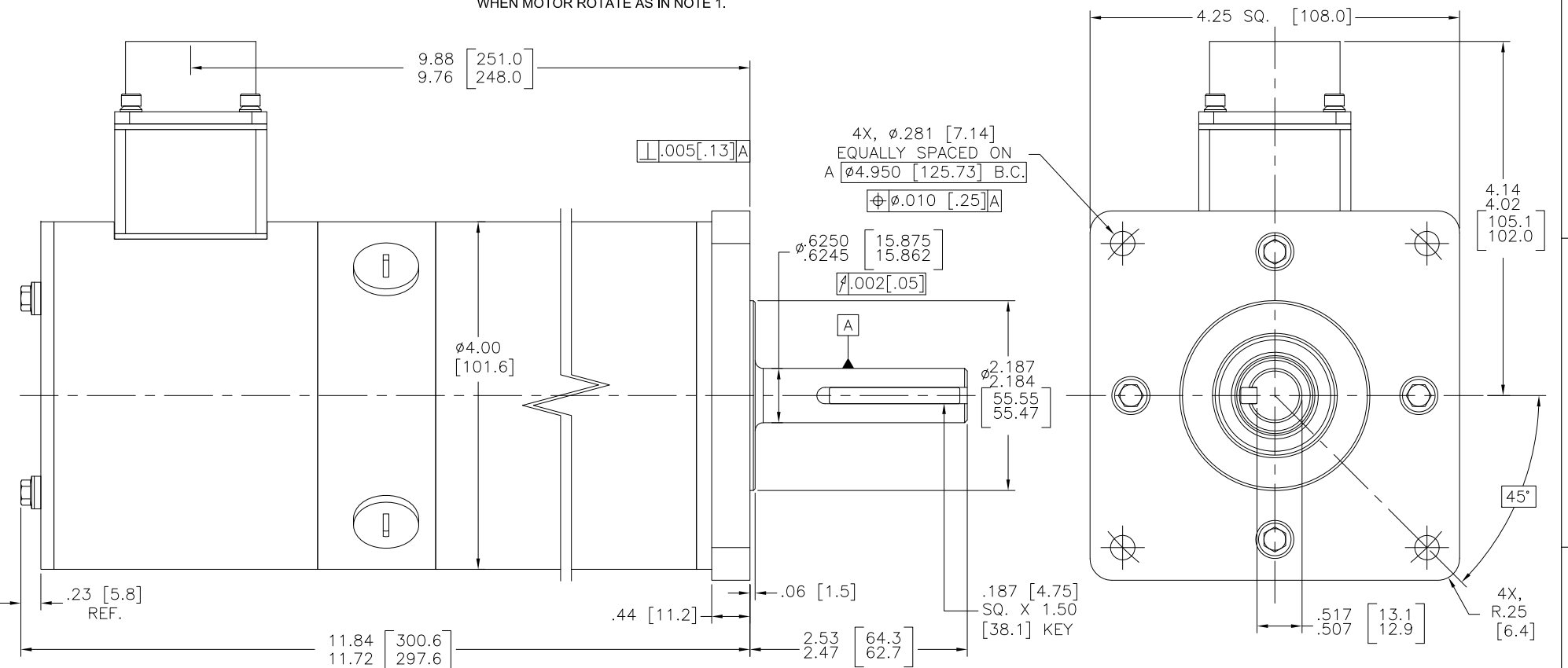
REVISION HISTORY						
ZONE	REV	DESCRIPTION	ECO	DATE	CHANGED	APPD
-	A	INITIAL DRAWING RELEASE	5383	2DEC20	K. HALE	R.D.M.

DC TACHOMETER'S DATA CHART	
SENSITIVITY	7.0 V/1000 RPM ±10%
	0.067 V/RAD/SEC ±10%
RIPPLE VOLTAGE	1% AVERAGE TO PK
DC RESISTANCE	70 OHMS ±12.5%
INDUCTANCE	12
MIN. LOAD RESISTANCE	7000 OHMS
MAX. OPERATING SPEED	5000 RPM

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%

* TACHOMETER VOLTAGE OUTPUT WHEN MOTOR ROTATE AS IN NOTE 1.



4. SHAFT SEAL INSTALLED.
 3. MOTOR FINISH: BLACK.
 2. INCHES [MILLIMETERS].
 1. WITH A POSITIVE VOLTAGE APPLIED TO PIN "P" (RED MOTOR LEAD) WITH RESPECT TO PIN "N" (BLACK MOTOR LEAD), THE MOTOR DRIVE SHAFT WILL TURN IN THE "CCW" (COUNTER CLOCKWISE) DIRECTION AS VIEWED FROM THE SHAFT END.
- NOTES: 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: K. HALE	2DEC20
FINISH: 125 ✓ MAXIMUM	CHK BY: R.D.M.	2DEC20
	APP BY: R.D.M.	2DEC20

GLENTEK
"Solutions for Motion Control"

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DRAWING TITLE
INSTALLATION DRAWING

SIZE C	MODEL GM4040-41	DRAWING NUMBER 30277-1	REV A
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SCALE: 1:125; FILE NAME: 30277-1RA.DWG SHEET 1 OF 1
CONFIGURATION CODE: GM4040-41-02402511-344A

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