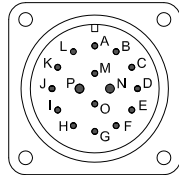


MOTOR MODEL NO.: GM4050-32		
CONFIG. CODE: GM4050-32-02206511-357A		
MOTOR CONSTANTS	UNITS	VALUE
CONTINUOUS STALL TORQUE	IN-LB	41
PEAK TORQUE	IN-LB	206.5
TORQUE CONSTANT (K _T)	IN-LB/AMPS	2.69
R _A *	OHMS	X.X
INDUCTANCE (L _A)*	MHY	X.XX
BEMF *	VOLTS/1000 RPM	32
MAXIMUM SPEED	RPM	4500
INERTIA (J _A)	IN-LB-SEC ²	.01980
TACHOMETER OUTPUT	VOLTS/1000 RPM	7
TACHOMETER RIPPLE	PERCENT	1
WEIGHT	LB	20.3/9.2



ACC02E24-7P-025

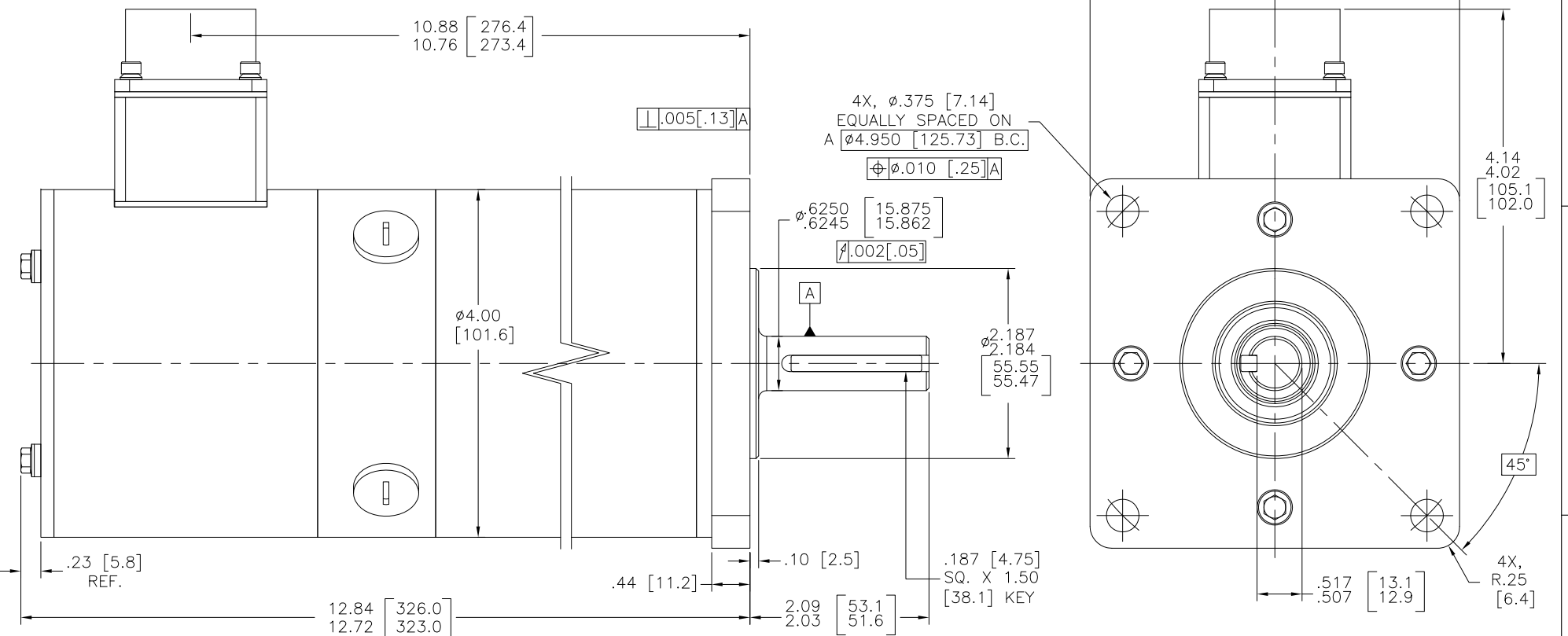
PIN	FUNCTION	PIN	FUNCTION
A	CHANNEL A+	I	ENCODER COMMON
B	CHANNEL A-	J	N/C
C	CHANNEL B+	K	N/C
D	CHANNEL B-	L	TACH. SHIELD
E	CHANNEL Z+	M	TACH. (-)
F	CHANNEL Z-	N	MOTOR (-)
G	GROUND	O	TACH. (+)
H	ENCODER +5V	P	MOTOR (+)

REVISION HISTORY						
ZONE	REV	DESCRIPTION	ECO	DATE	CHANGED	APPD
-	A	INITIAL DRAWING RELEASE	5164	30APR19	K. HALE	R.D.M.

ENCODER'S DATA CHART	
LINE COUNT	500 PPR
FREQUENCY RESPONSE	500 kHz
ROTOR MOMENT OF INERTIA	1.5 X 10 ⁻⁴ OZ-IN-S ²
MAX. SPEED	8000 RPM
OPERATING TEMP. RANGE	-20 °C ~ +100 °C
STORAGE TEMP. RANGE	-40 °C ~ +125 °C
VIBRATION	20 G @ 50 TO 500 CPS
SHOCK	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.

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

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	30APR19
FINISH: 125 ✓ MAXIMUM		CHK BY: R.D.M.	30APR19
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DRAWING TITLE: **INSTALLATION DRAWING**

SIZE	MODEL	DRAWING NUMBER	REV
C	GM4050-32	30176-1	A
SCALE: 1,125:1	FILE NAME:	30176-1RA.DWG	SHEET 1 OF 1

CONFIGURATION CODE: GM4050-32-02206511-357A