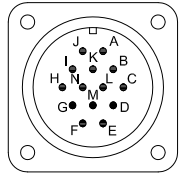


MOTOR MODEL NO.: <b>GM2320-7</b>		
CONFIG. CODE: <b>GM2320-7-02407410-368A</b>		
MOTOR CONSTANTS	UNITS	VALUE
CONTINUOUS STALL TORQUE	IN-LB	<b>1.9</b>
PEAK TORQUE	IN-LB	<b>9.5</b>
TORQUE CONSTANT (K <sub>T</sub> )	IN-LB/AMPS	<b>0.63</b>
R <sub>A</sub> *	OHMS	<b>1.6</b>
INDUCTANCE (L <sub>A</sub> )*	MHY	<b>3.30</b>
BEMF *	VOLTS/1000 RPM	<b>7</b>
MAXIMUM SPEED	RPM	<b>4000</b>
INERTIA (J <sub>A</sub> )	IN-LB-SEC <sup>2</sup>	<b>0.00023</b>
TACHOMETER OUTPUT	VOLTS/1000 RPM	<b>7</b>
TACHOMETER RIPPLE	PERCENT	<b>1</b>
WEIGHT	LB/KG	-



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

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

REVISION HISTORY						
ZONE	REV	DESCRIPTION	ECO	DATE	CHANGED	APPD
-	A	INITIAL DRAWING RELEASE	5384	2DEC20	K. HALE	R.D.M.

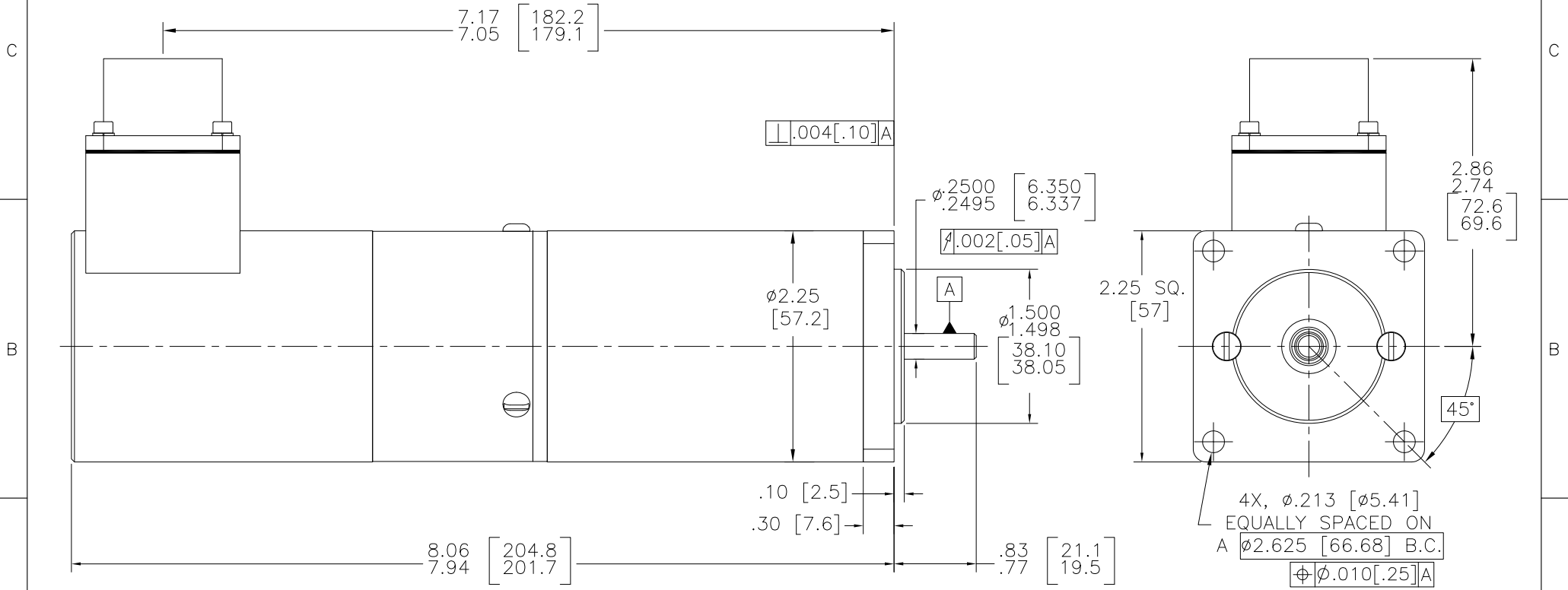
ENCODER'S DATA CHART	
LINE COUNT	1000 PPR
FREQUENCY RESPONSE	500 kHz
ROTOR MOMENT OF INERTIA	1.5 X 10 <sup>-4</sup> OZ-IN-S <sup>2</sup>
MAX. SPEED	8000 RPM
OPERATING TEMP. RANGE	-20 °C ~ +100 °C
STORAGE TEMP. RANGE	-40 °C ~ +125 °C
VIBRATION	20 G @ 50 TO 500 CPS
SHOCK	490 m/S <sup>2</sup> (50 G) 11 mSEC.

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

\*\* CONNECTOR INDEX FACING AWAY FROM SHAFT END.

\* INDICATES ±10%

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



- NO SHAFT SEAL REQUIRED.
- MOTOR FINISH: BLACK.
- INCHES [MILLIMETERS].
- WITH A POSITIVE VOLTAGE APPLIED TO PIN "N" (RED MOTOR LEAD) WITH RESPECT TO PIN "M" (BLACK MOTOR LEAD), THE MOTOR DRIVE SHAFT WILL TURN IN THE "CW" 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: K. HALE	2DEC20
FINISH: 125 ✓ MAXIMUM	CHK BY: R.D.M.	2DEC20
	APP BY: R.D.M.	2DEC20

**GLENTEK** 208 Standard Street  
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www.glenetek.com

**INSTALLATION DRAWING**

SIZE C	MODEL GM2320-7	DRAWING NUMBER 30279-1	REV A
SCALE: 1.375:1	FILE NAME: 30279-1RA.DWG	SHEET 1 OF 1	

CONFIGURATION CODE: GM2320-7-02407410-368A