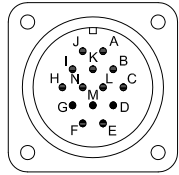


MOTOR MODEL NO.: <b>GM3340-30</b>		
CONFIG. CODE: <b>GM3340-30-02408410-358A</b>		
MOTOR CONSTANTS	UNITS	VALUE
CONTINUOUS STALL TORQUE	IN-LB	<b>10.6</b>
PEAK TORQUE	IN-LB	<b>53.0</b>
TORQUE CONSTANT (K <sub>T</sub> )	IN-LB/AMPS	<b>2.53</b>
R <sub>A</sub> *	OHMS	<b>2.0</b>
INDUCTANCE (L <sub>A</sub> )*	MHY	<b>2.7</b>
BEMF *	VOLTS/1000 RPM	<b>30</b>
MAXIMUM SPEED	RPM	<b>3200</b>
INERTIA (J <sub>A</sub> )	IN-LB-SEC <sup>2</sup>	<b>0.00310</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-

\* INDICATES ±10%

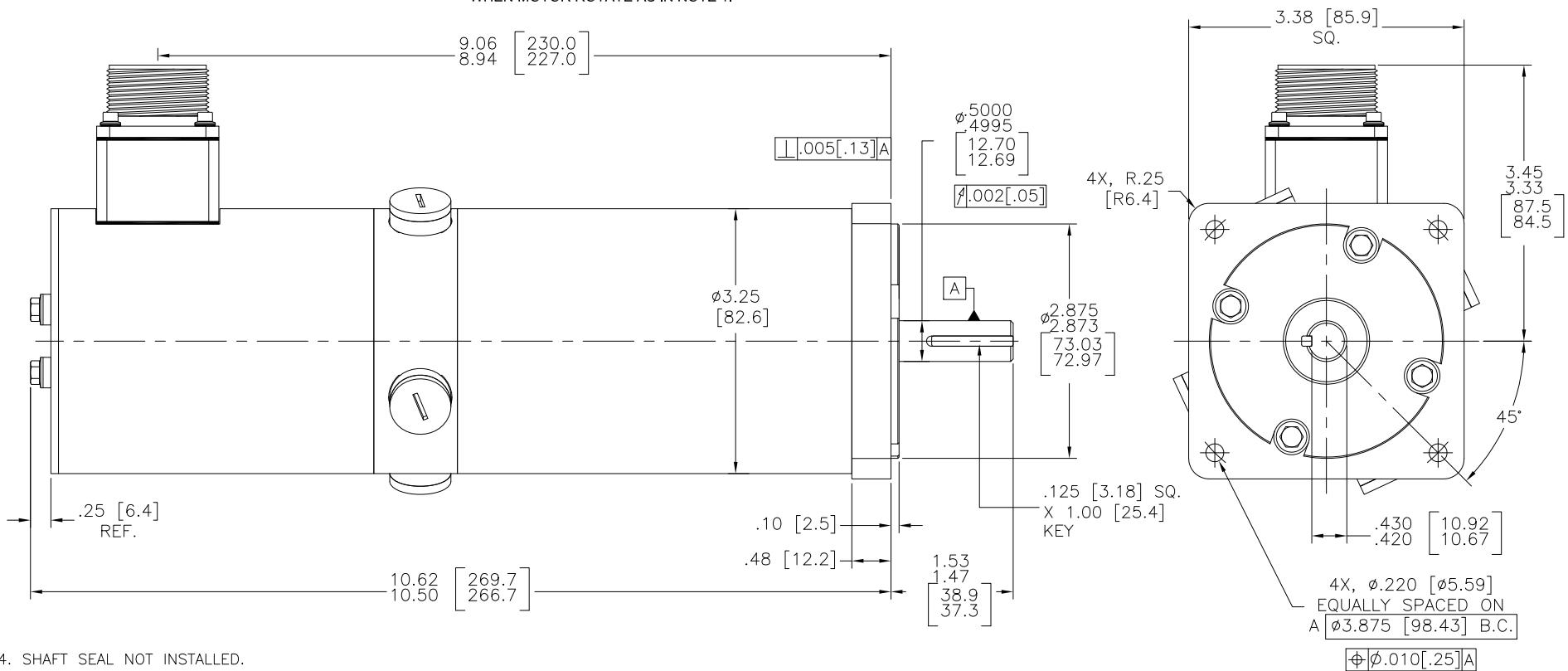
\* TACHOMETER VOLTAGE OUTPUT WHEN MOTOR ROTATE AS IN NOTE 1.

REVISION HISTORY						
ZONE	REV	DESCRIPTION	ECO	DATE	CHANGED	APPD
-	A	INITIAL DRAWING RELEASE	5170	10JUL19	M. TAGUPA	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.
FRICITION TORQUE	5.9 X 10 <sup>-3</sup> N · m MAX. (60 g · cm MAX.)
ROTOR MOMENT OF INERTIA	1 X 10 <sup>-6</sup> kg · m <sup>2</sup> MAX. (10 g · cm <sup>2</sup> MAX.)
MAX. SPEED	100 S <sup>-1</sup> (6000 RPM)
OPERATING TEMP. RANGE	-20 °C ~ +100 °C
STORAGE TEMP. RANGE	-25 °C ~ +100 °C
VIBRATION (TEST ARTICLES)	49 m/S <sup>2</sup> (5 G) 10 ~ 500 Hz.
SHOCK (TEST ARTICLES)	490 m/S <sup>2</sup> (50 G) 11 mSEC.

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



- SHAFT SEAL NOT 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.
- 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: M. TAGUPA	10JUL19
FINISH: 125 ✓ MAXIMUM	CHK BY: R.D.M.	10JUL19
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**GLENTEK**  
"Solutions for Motion Control"

208 Standard Street  
El Segundo, CA 90245 USA  
310.322.3026 FAX 310.322.7709  
www.glentek.com

DRAWING TITLE  
**INSTALLATION DRAWING**

SIZE	MODEL	DRAWING NUMBER	REV
C	GM3340-30	30179-1	A

SCALE: 1:1 FILE NAME: 30179-1RA.DWG SHEET 1 OF 1  
CONFIGURATION CODE: GM3340-30-02408410-358A