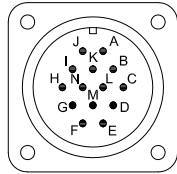


MOTOR MODEL NO.: GM3340-30		
CONFIG. CODE: GM3340-30-12408410-355A		
MOTOR CONSTANTS	UNITS	VALUE
CONTINUOUS STALL TORQUE	IN-LB	10.6
PEAK TORQUE	IN-LB	53.0
TORQUE CONSTANT (K _T)	IN-LB/AMPS	2.53
R _A *	OHMS	2.0
INDUCTANCE (L _A)*	MHY	2.7
BEMF *	VOLTS/1000 RPM	30
MAXIMUM SPEED	RPM	3200
INERTIA (J _A)	IN-LB-SEC ²	0.00310
TACHOMETER OUTPUT	VOLTS/1000 RPM	7
TACHOMETER RIPPLE	PERCENT	1
WEIGHT	LB/KG	-



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

PIN	FUNCTION	PIN	FUNCTION
A	BRAKE (+)	H	MOTOR C.C.W. (+)
B	TACH. C.C.W. (+)	I	BRAKE (-)
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%

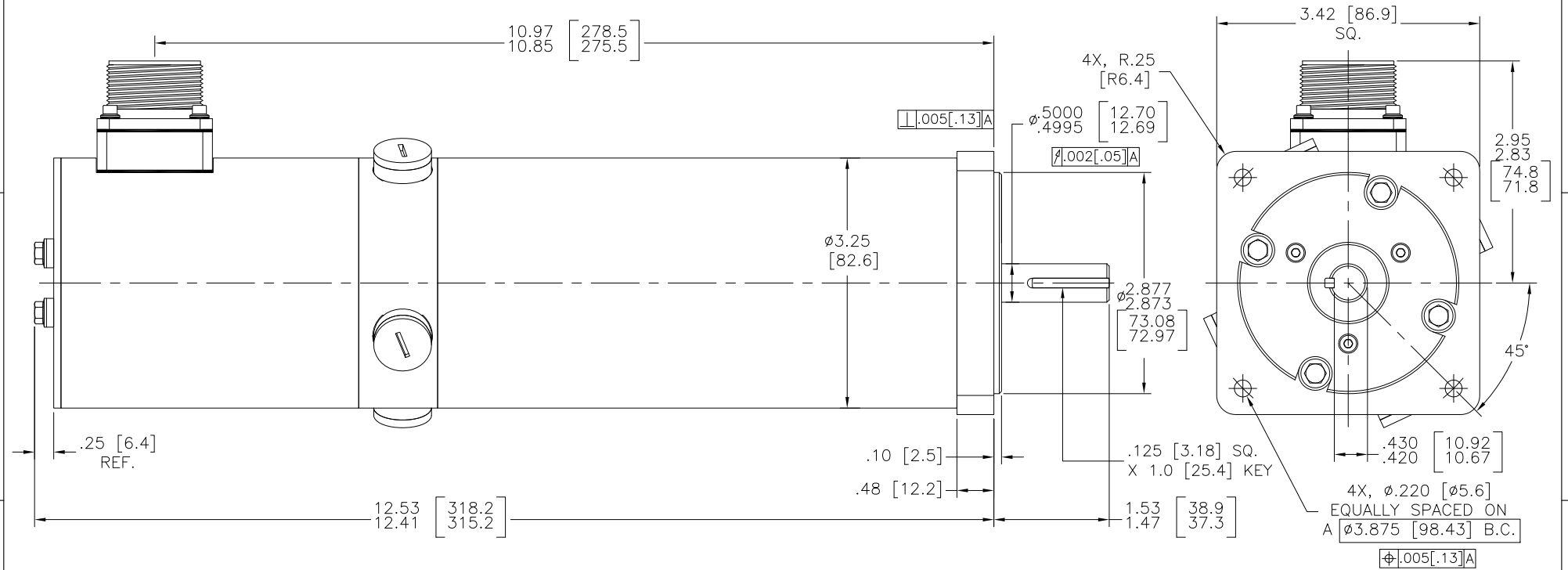
* TACHOMETER VOLTAGE OUTPUT WHEN MOTOR ROTATE AS IN NOTE 1.

REVISION HISTORY						
ZONE	REV	DESCRIPTION	ECO	DATE	CHANGED	APPD
-	A	INITIAL DRAWING RELEASE	5140	21MAR19	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.
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.

** CONNECTOR INDEX FACING AWAY FROM SHAFT END.



MOTOR BRAKE DATA CHART		
NOMINAL TORQUE	IN-LB	39.8
OPERATING VOLTAGE	VDC	24 ±6%
MAXIMUM SPEED	RPM	10,000
ARMATURE PLATE INERTIA	Kgm ²	0.18 * 10 ⁻⁴
POWER	WATTS	13
NOMINAL AIRGAP AT 20 °C	mm	0.20
MAX. ALLOWABLE AIRGAP AT 20 °C	mm	0.40
BRAKE ENGAGEMENT TIME (POWER OFF)	ms	7
BRAKE RELEASE TIME (POWER ON)	ms	35

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	21MAR19
FINISH: 125 ✓ MAXIMUM	CHK BY: R.D.M.	21MAR19
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www.glenetek.com

"Solutions for Motion Control"

DRAWING TITLE
INSTALLATION DRAWING

SIZE	MODEL	DRAWING NUMBER	REV
C	GM3340-30	30158-1	A

SCALE: 1:1 FILE NAME: 30158-1RA.DWG SHEET 1 OF 1
CONFIGURATION CODE: GM3340-30-12408410-355A

4. SHAFT SEAL NOT INSTALLED.
3. MOTOR FINISH: BLACK.
2. INCHES [MILLIMETERS].
1. 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.