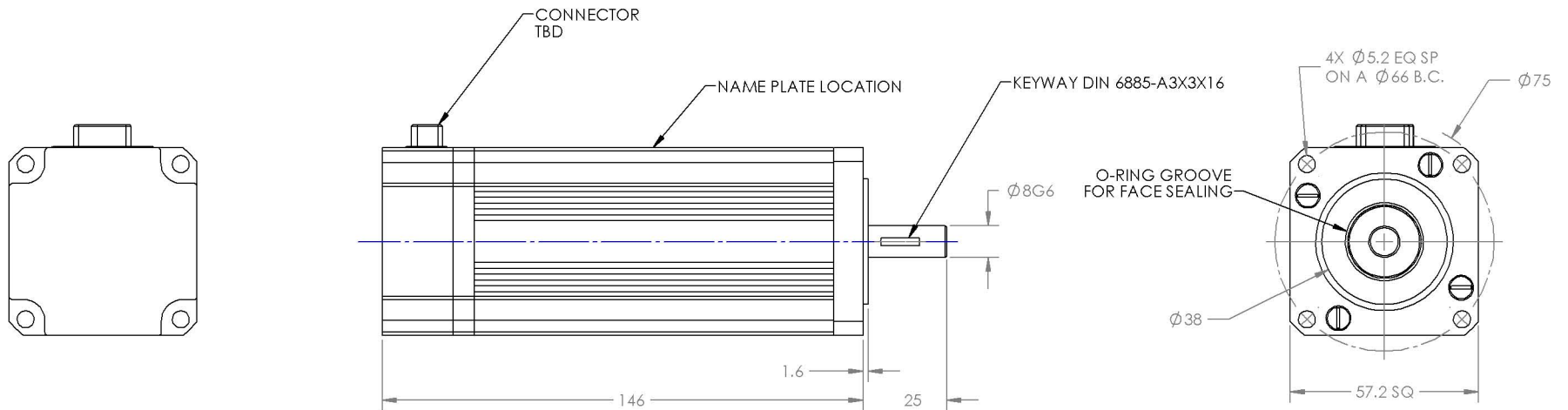


# DYNETIC SYSTEMS

New Concepts In Motion

19128 Industrial Blvd., Elk River, MN 55330  
 Phone: 763-441-4300 Fax: 763-441-5217



MOTOR CHARACTERISTICS			
RATED VOLTAGE D.C.	28	VOLTS	BUSS
RATED CURRENT	3.5	A	
(PEAK PHASE CURRENT)	5	A.MPS	RMS
RATED TORQUE	0.28	Nm	CONT.
RATED SPEED	3000	RPM	+/-1.5%
NOMINAL POWER	120	WATTS	+/-1.5%
NO LOAD SPEED	3130	RPM	+/-1.5%
NO LOAD CURRENT	0.4	A.MPS	EST.
TORQUE CONSTANT	0.08	Nm/A	+/-1.0%
STALL TORQUE	0.4	Nm	CONT
BACK EMF CONSTANT	8.95	V/KRPM	
MOMENT OF INERTIA	TBD	IN-OZ/SEC2	+/-1.0%
WEIGHT	1.1	Kg	EST.

GEAR DATA			
GEAR RATIO	15.65:1		
EFFICIENCY	85%	%	
OUTPUT TORQUE	3.7	Nm	CONT.
SIDE LOAD	158	Kg	MAX
OUTPUT SPEED	190	RPM	+/-1.5%
BACKLASH	.95	DEGREES	MAX
PEAK TORQUE	10	Nm	MAX

COMMUTATING ENCODER DATA				
*1000 LINE, TWO CHANNEL QUADRATURE OUTPUT WITH				
*3 COMMUTATION CHANNELS				
*5VDC INPUT POWER, OPEN COLLECTOR OUTPUT				
ENCODER PINOUT:	PIN 1	+5V	PIN 5	Z
	PIN 2	GND	PIN 6	U
	PIN 3	CH A	PIN 7	V
	PIN 4	CH B	PIN 8	W

- UNIT FEATURES:
- \*3 PHASE BRUSHLESS
  - \*INTEGRAL PLANETARY GEARING
  - \*O-RING SEALED
  - \*FINISH TBD
  - \*-55°C OPERATION
  - \*HIGH VIBRATION MODIFICATIONS