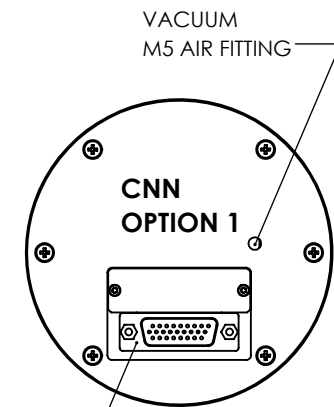
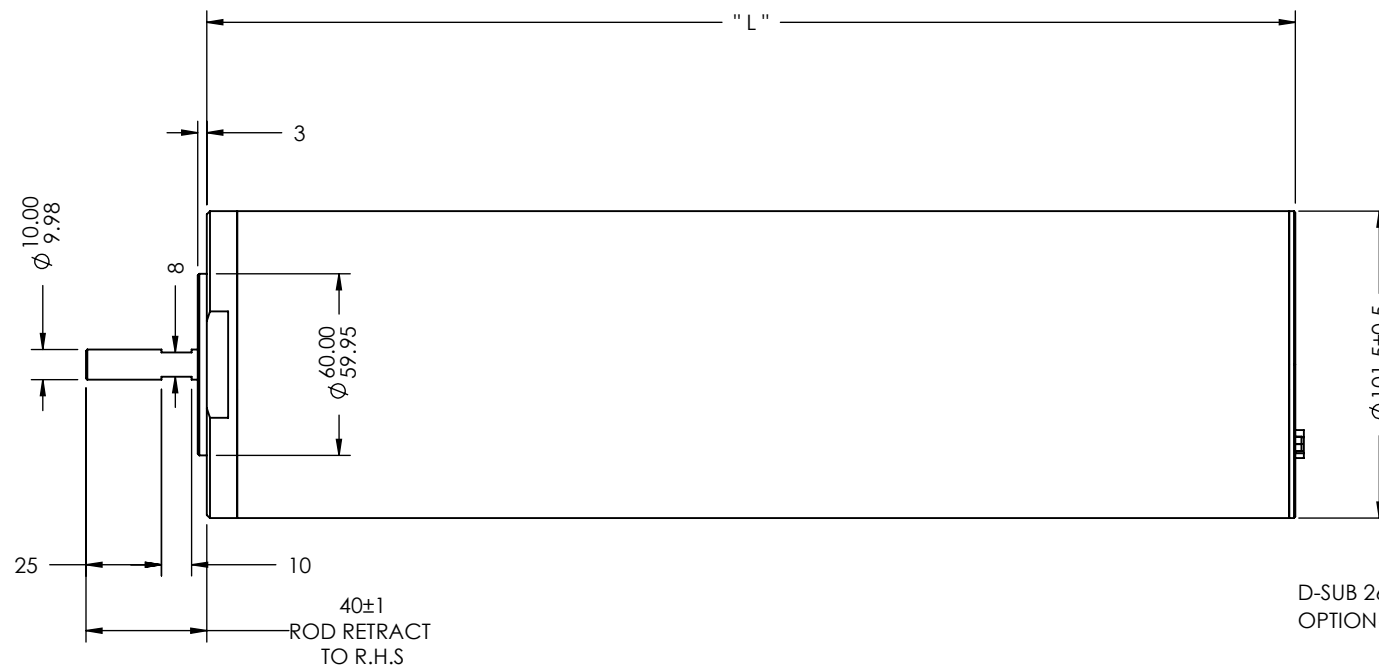
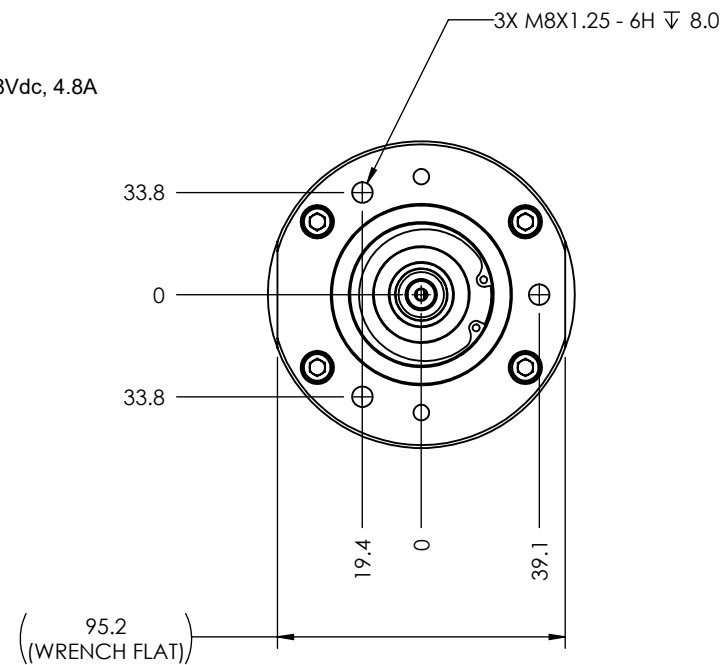


NOTES (UNLESS OTHERWISE SPECIFIED)

- 1. LINEAR SPECIFICATIONS:
  - POLE PITCH: 70 mm
  - LINEAR STROKE: 50,100,150 mm
  - ENC. RESOLUTION(+A/-A;+B/-B): 5,1 um
  - ENCODER REPEATABILITY: ± 15 um
  - INDEX LOCATION(+Z/-Z): 4mm REAR HS
  - OPERATING VOLTAGE: 48 Vdc
  - COIL RESISTANCE: 12 Ohm/PHASE
  - COIL INDUCTANCE: TBD mH
  - PEAK FORCE: 85 N (EST.) @ 48Vdc(4A) (EST., NO SPRING)
  - FORCE CONSTANT: 22 N/A (EST.)
  - MOVING MASS: (REF. TABLE) kg (EST.)
  - TOTAL MASS: (REF. TABLE) kg (EST.)
- 2. ROTARY SPECIFICATIONS:
  - ENC. RESOLUTION(+A/-A;+B/-B): 20K CPR
  - FINE INDEX(+Z/-Z): YES
  - COARSE INDEX: YES
  - MOTOR TYPE: BRUSHLESS (6 POLE PAIR)
  - PEAK TORQUE(SHAFT OUTPUT): 3.9 Nm @ 48Vdc, 4.8A
  - TORQUE CONSTANT: 0.131 Nm/A (MOTOR)
  - MAXIMUM SPEED: 300 RPM
  - GEAR RATIO: 7.67:1 (GPL042)
  - GEAR BACK LASH: < 50 arcmin
- 3. VACUUM OPTION: OPTIONAL
- 4. SPRING OPTION: OPTIONAL
- 5. OPERATING TEMPERATURE: 0°C TO 40°C
- 6. PLATING: CLEAR
- 7. RATING: NONE

REVISIONS				
REV	ECR	DESCRIPTION	DATE	APPROVED
A		RELEASE	04/03/20	TMV



D-SUB 26P(MALE) OPTION#1

D-SUB 26P (MALE)

PIN No	DB-26P
1	(L) PH. A+
2	(L) PH. B+
3	(L) PH. Z+
4	R.COARSE INDEX
5	NC
6	NC
7	(R) PH. B+
8	(R) PH. A+
9	(R) PH. Z+
10	(L) PH. A-
11	(L) PH. B-
12	(L) PH. Z-
13	NC
14	NC
15	NC
16	(R) PH. B-
17	(R) PH. A-
18	(R) PH. Z-
19	+5 VDC
20	5V RTN
21	(R) MOTOR (U)
22	(L) MOTOR (U)
23	(L) MOTOR (V)
24	(L) MOTOR (W)
25	(R) MOTOR (V)
26	(R) MOTOR (W)

(2X) M12-12P(MALE)

PIN	DETAIL
1	+5V
2	I-
3	I+
4	B-
5	B+
6	A-
7	A+
8	COARSE INDEX(R)
9	GND
10	NC
11	NC
12	NC

(2X) M12-5P(MALE)

PIN	DETAIL
1	NC
2	SHIELD
3	MOTOR U
4	MOTOR V
5	MOTOR W

	CBR100-050-7X-12F	CBR100-100-7X-12F	CBR100-150-7X-12F
Dimension " L " (mm)	360	400	450
Moving mass (kg)	1.6	1.7	1.8
Total mass (kg)	7.2	8.5	9

UNLESS OTHERWISE SPECIFIED  
 ALL DIMENSIONS ARE IN MM  
 BREAK EDGES AND REMOVE BURRS  
 TOLERANCES  
 X: ±0.5 X.X: ±0.1  
 X.XX: ±0.03 ANGLE: ±0.1°  
 CONCENTRICITY: ±0.025  
 ROUNDNESS: ±0.025  
 EDGE BREAKS: 0.2 MAX  
 ALL DIMENSIONS AND TOLERANCES ARE FINAL

MATERIAL:	NAME	DATE
FINISH:	DWN BY	TMV 04/03/20
MACHINE FINISH: 1.6/	CHK BY	TMV 04/03/20
INTERPRET PER: ASME Y14.5-2009	ENG APP	TOAN VU 04/03/20
THIRD ANGLE PROJECTION	MFG APP	
	QA APP	

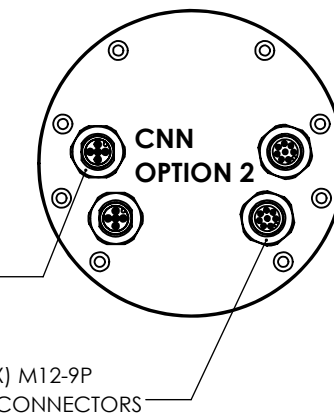
**SMAC** 5807 VAN ALLEN WAY CARLSBAD CA, 92008 (760) 929-7588

MOVING COIL ACTUATORS

TITLE: CBR100-XXX-35-12F

SIZE: B PART NO: CBR100-XXX-35-12F REV: A

SCALE: 1:5 DO NOT SCALE SHEET: 1 / 1



(2X)M12-5P IP CONNECTOR

(2X) M12-9P IP CONNECTORS