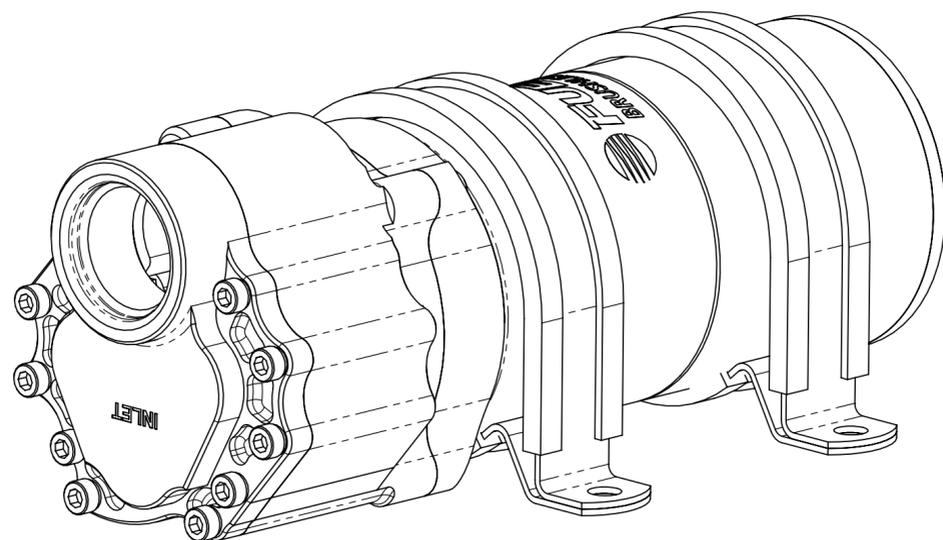


**NOTES:**

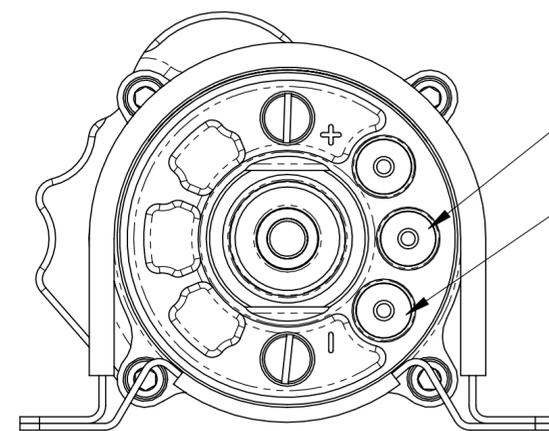
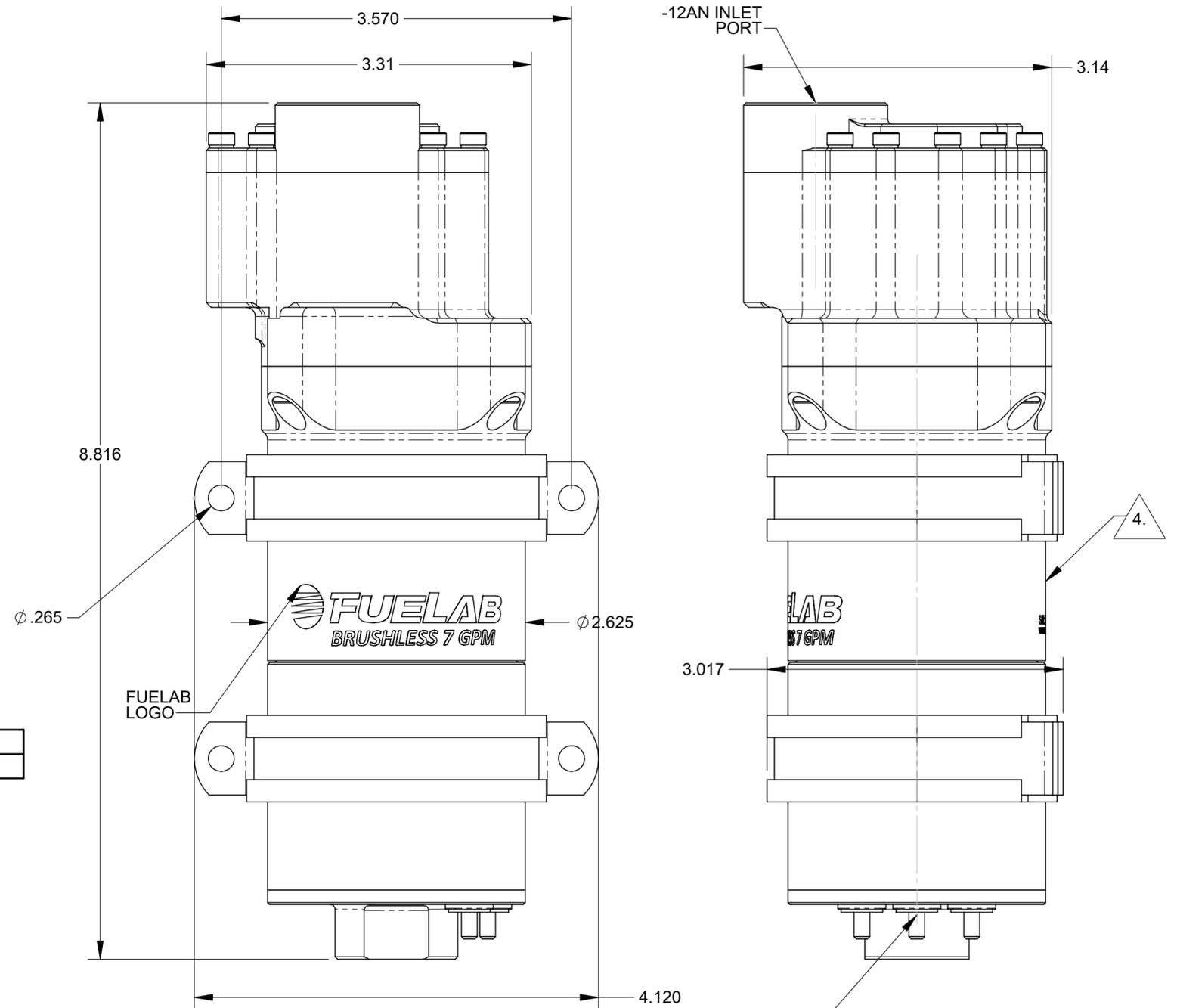
1. THIS DRAWING DESCRIBES THE FUELAB 405xx SERIES DC BRUSHLESS FUEL PUMP (SPUR GEAR).
2. FEATURES INCLUDE:
  - -12AN INLET AND -10AN OUTLET PORTS
  - THREE PHASE DC BRUSHLESS MOTOR WITH NEODYMIUM MAGNETS
  - WET MOTOR DESIGN, WITHOUT DYNAMIC SHAFT SEALS
  - SPUR GEAR STYLE PUMPING MECHANISM
  - INTEGRATED CONTROLLER ELECTRONICS WITH PWM SPEED CONTROL
  - BILLET ALUMINUM, STAINLESS STEEL CONSTRUCTION WITH FLUOROSILICONE SEALS
3. FUEL COMPATIBILITY INCLUDES:
  - GASOLINE (PUMP OR RACE)
  - METHANOL
  - ETHANOL (INCLUDING E85)
  - DIESEL
4. UNIQUE SERIAL NUMBER DOES NOT CONTAIN DIRECT INFORMATION IN DETERMINING MODEL NUMBER. CONTACT FUELAB FOR DETERMINATION OF MODEL NUMBER BASED ON SERIAL NUMBER.
5. PORT O-RINGS, SADDLE CLAMPS, INSTRUCTIONS CARD AND PERFORMANCE CERTIFICATION INCLUDED, BAGGED SEPARATELY FROM PUMP.
6. 8-24 VOLT OPERATING RANGE, USE BETWEEN 12 VOLT TO 24 VOLT (6 TO 12 CELL LEAD ACID BATTERY) VEHICLE SYSTEMS WITH OR WITHOUT CHARGING SYSTEM.
7. PUMP REQUIRES BYPASS REGULATOR OR RELIEF VALVE TO AVOID OVER-PRESSURE OPERATING CONDITION.
8. SEE TABLE BELOW FOR DETERMINATION OF DESIRED MODEL NUMBER.
9. REFERENCE DRAWING 1100210A1 FOR ASSEMBLY INSTRUCTIONS.

**MODEL SELECTION TABLE**

MODEL	FLOW RATING, AT 13.5v	FLOW RATING, AT 13.5v	MAX. PRESSURE
40502	7 GPM AT 45 PSI	1590 LPH AT 3.0 BAR	95 PSI (6.5 BAR)



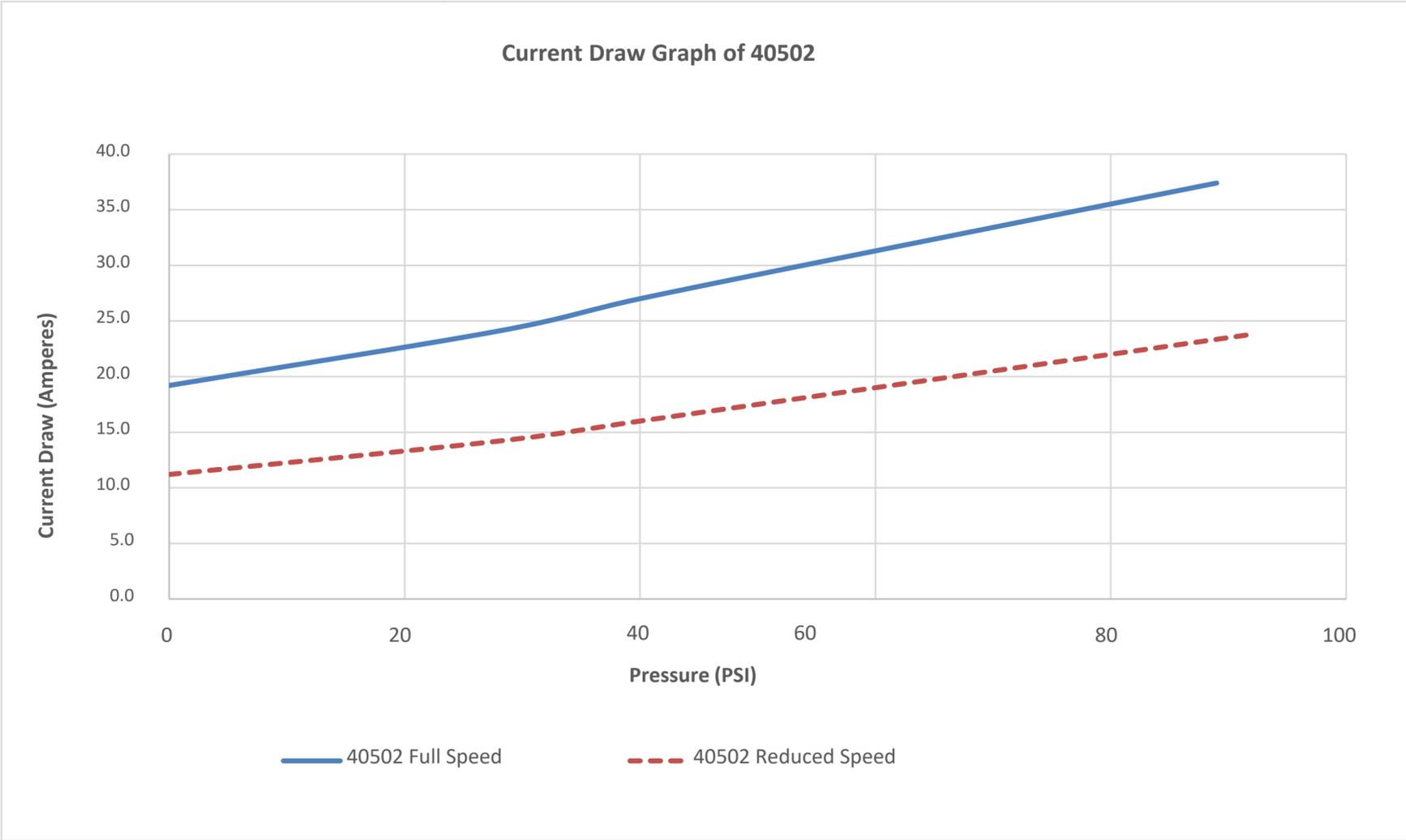
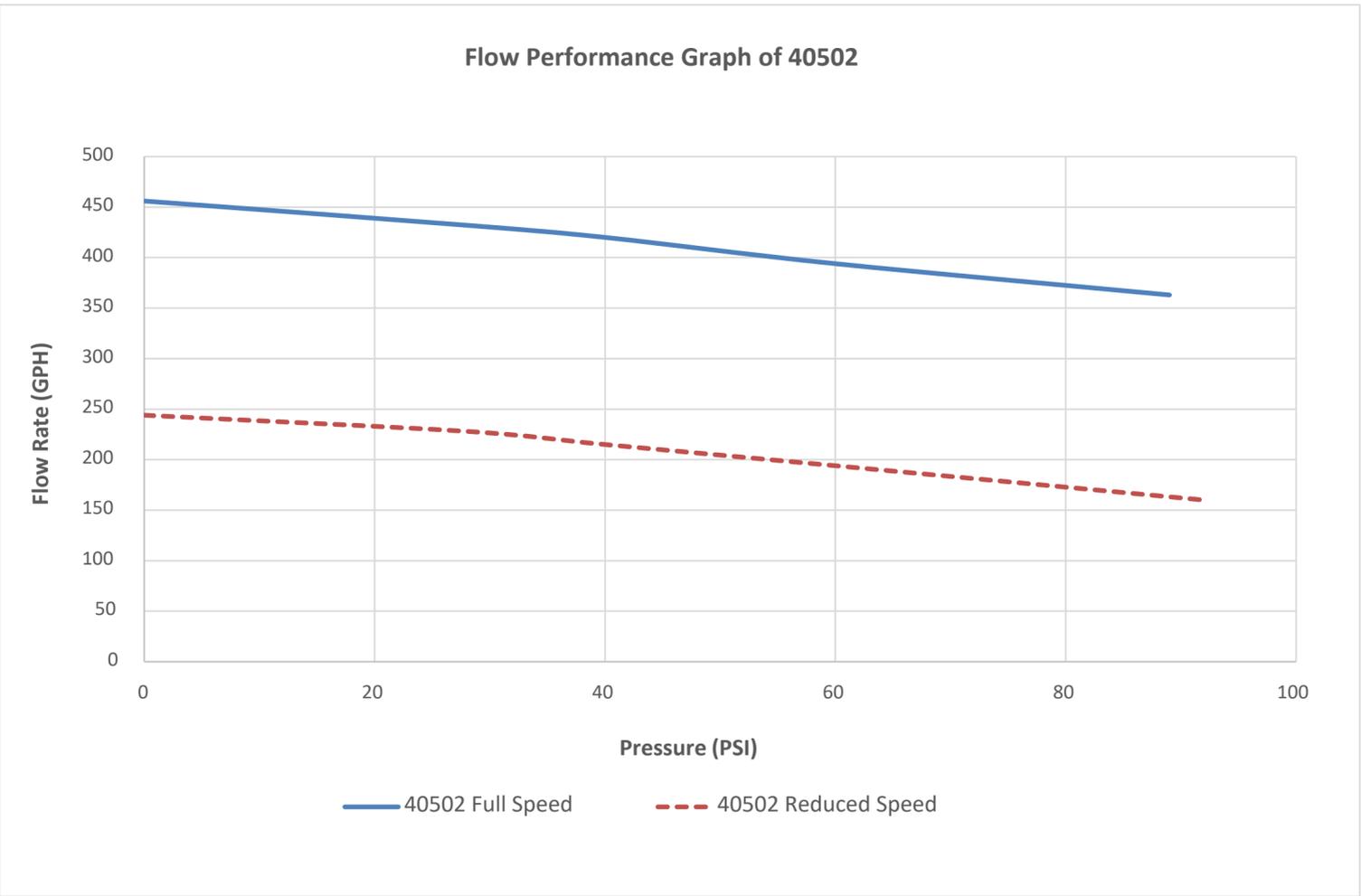
**ISOMETRIC VIEW**



SPEED CONTROL TERMINAL (YELLOW INSULATOR)

MAX. TORQUE VALUE OF 15 ± 3 IN.LB

UNLESS OTHERWISE SPECIFIED:		Pontoon Beach, Illinois	
INTERPRET DWG PER ANSI Y14.5 DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: ± 1/64" ANGULAR: ± 1/2° DECIMALS: X+1 .XX ± .03 .XXX ± .010 SURFACE FINISH: 128 ✓ OR BETTER BREAK ALL SHARP EDGES .010 MAX REMOVE ALL BURRS			
TITLE:		<b>DC BRUSHLESS FUEL PUMP, 40502</b>	
SIZE	DWG. NO.	REV	
<b>C</b>	<b>110022000</b>	<b>C</b>	
SCALE: 1/1	WEIGHT: LBS	SHEET: 1 OF 2	



UNLESS OTHERWISE SPECIFIED: INTERPRET DWG PER ANSI Y14.5 DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: ± 1/64" ANGULAR: ± 1/2° DECIMALS: .X ± .1 .XX ± .03 .XXX ± .010 SURFACE FINISH $\sqrt{128}$ OR BETTER BREAK ALL SHARP EDGES .010 MAX REMOVE ALL BURRS	<b>FUELAB</b> <small>DIGITAL FUEL DELIVERY</small> Pontoon Beach, Illinois						
THIRD ANGLE PROJECTION	<b>TITLE:</b> <b>DC BRUSHLESS FUEL PUMP, 40502</b>						
<b>DO NOT SCALE DRAWING</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: 8px;">           SIZE  <b>C</b> </td> <td style="font-size: 8px;">           DWG. NO.  <b>110022000</b> </td> <td style="font-size: 8px;">           REV  <b>C</b> </td> </tr> <tr> <td style="font-size: 8px;">           SCALE: 1/1         </td> <td style="font-size: 8px;">           WEIGHT: LBS         </td> <td style="font-size: 8px;">           SHEET: 2 OF 2         </td> </tr> </table>	SIZE <b>C</b>	DWG. NO. <b>110022000</b>	REV <b>C</b>	SCALE: 1/1	WEIGHT: LBS	SHEET: 2 OF 2
SIZE <b>C</b>	DWG. NO. <b>110022000</b>	REV <b>C</b>					
SCALE: 1/1	WEIGHT: LBS	SHEET: 2 OF 2					