

NOTES:

1.

THIS DRAWING DESCRIBES THE FUELAB 9x9xx SERIES ELECTRONIC FUEL PUMP - POWER MODULE.
2.

FEATURES INCLUDE:
 - THREE PHASE DC BRUSHLESS MOTOR WITH NEODYMIUM MAGNETS
 - INTEGRATED ELECTRONICS WITH SPEED CONTROL
 - WET MOTOR DESIGN, WITHOUT DYNAMIC SHAFT SEALS
 - BILLET ALUMINUM, STAINLESS STEEL CONSTRUCTION WITH FLUOROSILICONE SEALS
 - FOR USE WITH POWER MODULE INSTALLATION KITS ONLY
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.

RETAINING RING, O-RINGS, INSTRUCTIONS AND PERFORMANCE CERTIFICATION INCLUDED, BAGGED SERPARATELY FROM POWER MODULE.
6.

8-32 VOLT OPERATING RANGE, USE ONLY 12 VOLT (6 CELL LEAD ACID BATTERY) VEHICLE SYSTEMS WITH OR WITHOUT CHARGING SYSTEM, OR 24 VOLT (12 CELL LEAD ACID BATTERY) VEHICLE SYSTEMS WITHOUT CHARGING SYSTEM.
7.

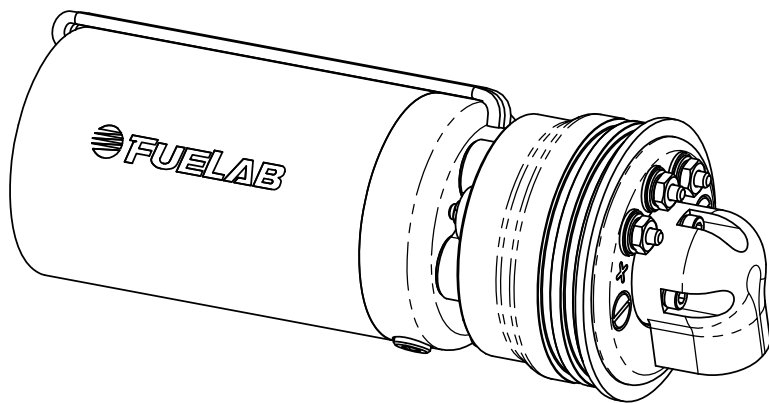
MODEL 90902 HAS INTERNAL BYPASS VALVE ASSEMBLY. MAXIMUM PRESSURE RATING FOR MODEL 90902 IS A DEAD HEAD CONDITION (ZERO FLOW). ALL OTHRE MODELS REQUIRE BYPASS REGULATOR OR RELIEF VALVE TO AVOID OVER-PRESSURE OPERATING CONDITION.
8.

REFERENCE DRAWING 1100204A1 FOR ASSEMBLY INSTRUCTIONS.
9.

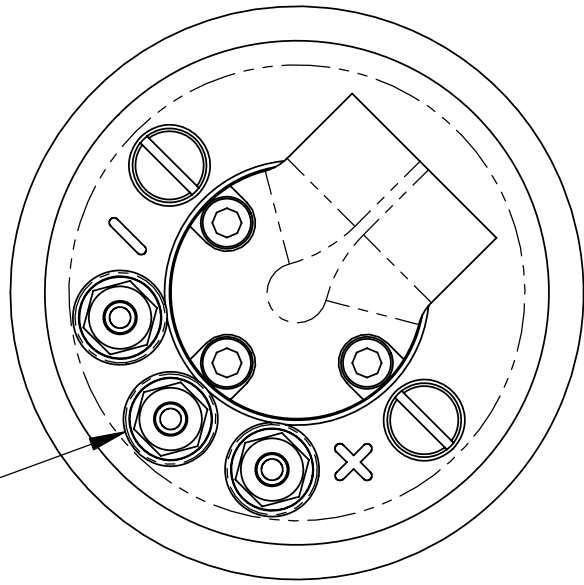
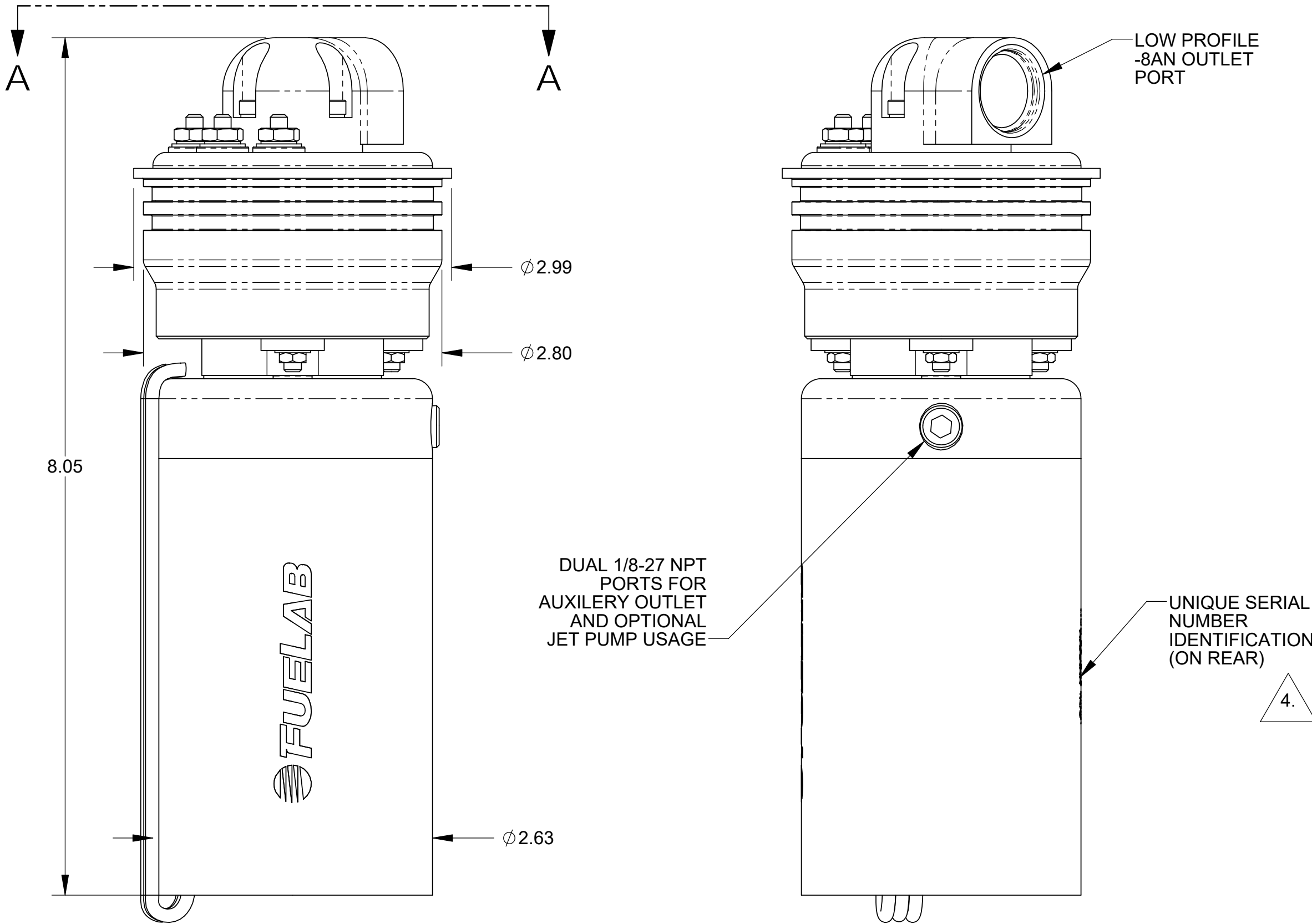
SEE TABLES BELOW FOR DETERMINATION OF DESIRED MODEL NUMBER

MODEL SELECTION TABLE

MODEL	FLOW RATING, AT 13.5v	FLOW RATING, AT 13.5v	MAX. PRESSURE
90902	160 GPH AT 10 PSI	600 LPH AT 0.7 BAR	35 PSI (2.4 BAR)
91901	125 GPH AT 45 PSI	473 LPH AT 3 BAR	125 PSI (8.5 BAR)
92902	200 GPH AT 45 PSI	757 LPH AT 3 BAR	100 PSI (6.8 BAR)



ISOMETRIC VIEW
SCALE: 1/2



VIEW A-A

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 128 OR BETTER
BREAK ALL SHARP EDGES .010 MAX
REMOVE ALL BURRS

THIRD ANGLE
PROJECTION

DO NOT SCALE DRAWING

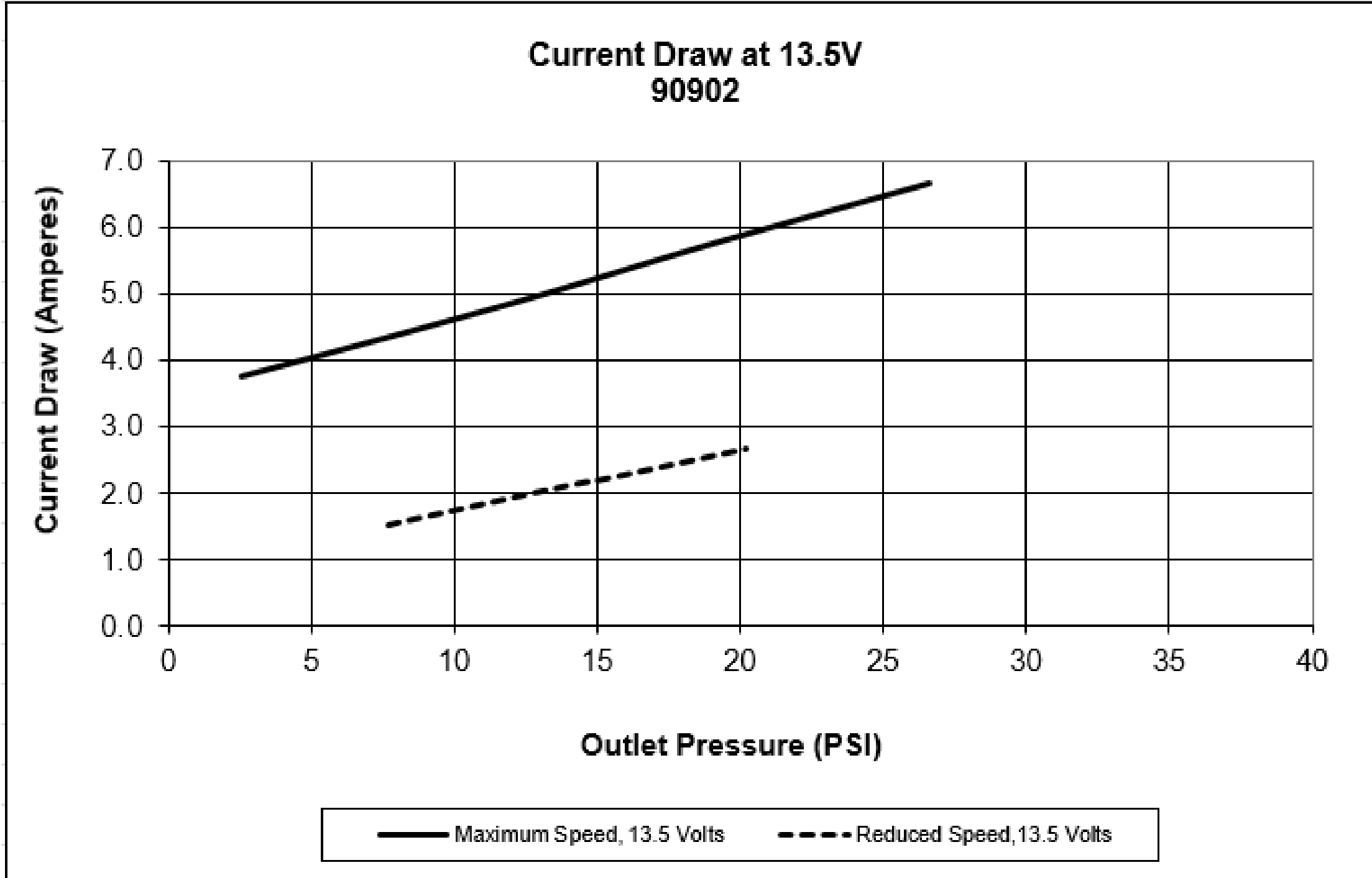
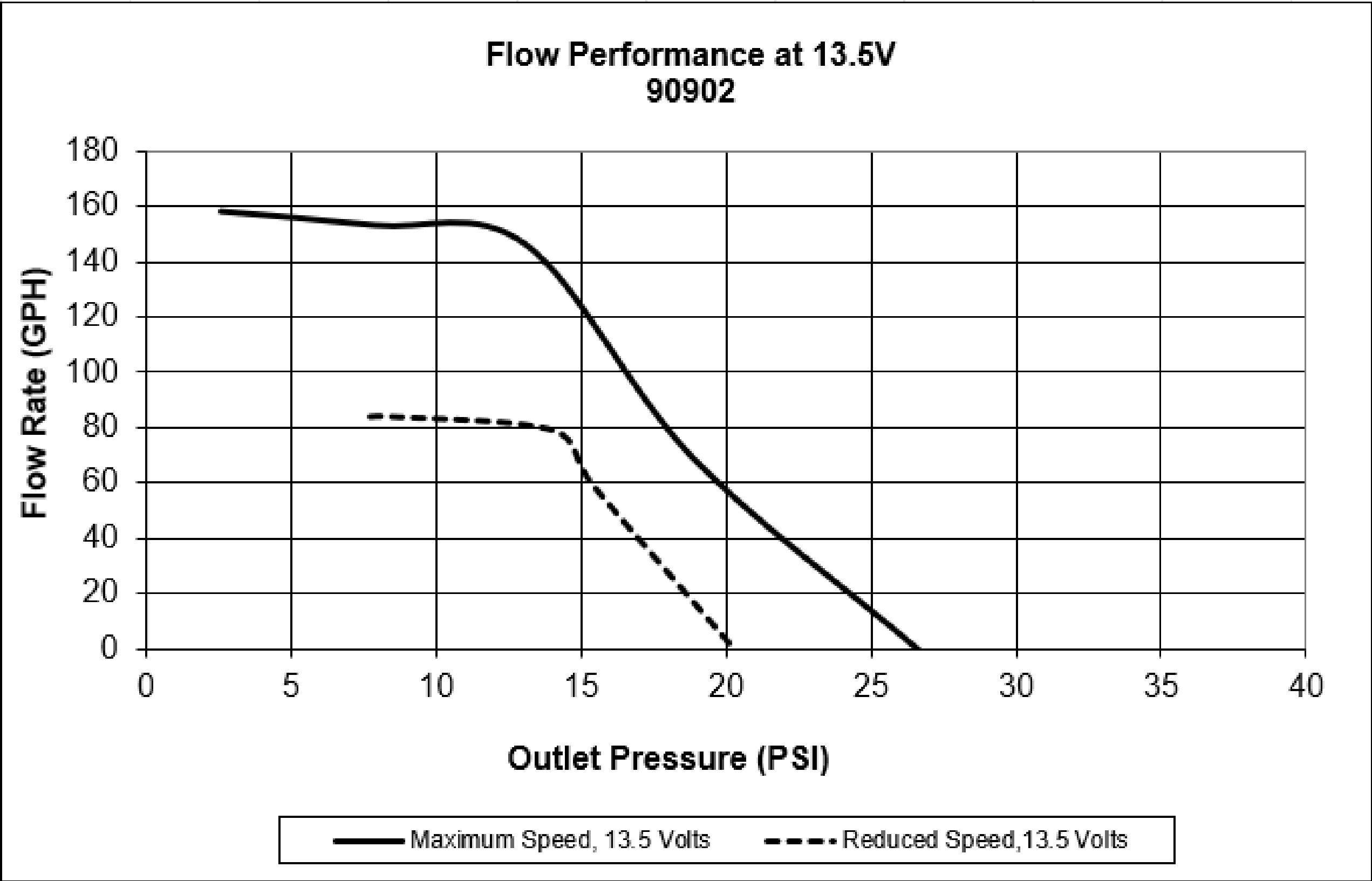
FUELAB
DIGITAL FUEL DELIVERY
Collinsville, Illinois

TITLE:

**POWER MODULE,
9x9xx SERIES**

SIZE **C** DWG. NO. **110020400** REV **B**

SCALE: 1/1 WEIGHT: 3.0 LB SHEET: 1 OF 4



UNLESS OTHERWISE SPECIFIED:
INTERPRET DWG PER ANSI Y14.5
DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL: $\pm 1/64"$
ANGULAR: $\pm 1/2^\circ$
DECIMALS:
X ± 1 XX ± 0.03 XXX ± 0.10
SURFACE FINISH $\sqrt{128}$ OR BETTER
BREAK ALL SHARP EDGES .010 MAX
REMOVE ALL BURRS

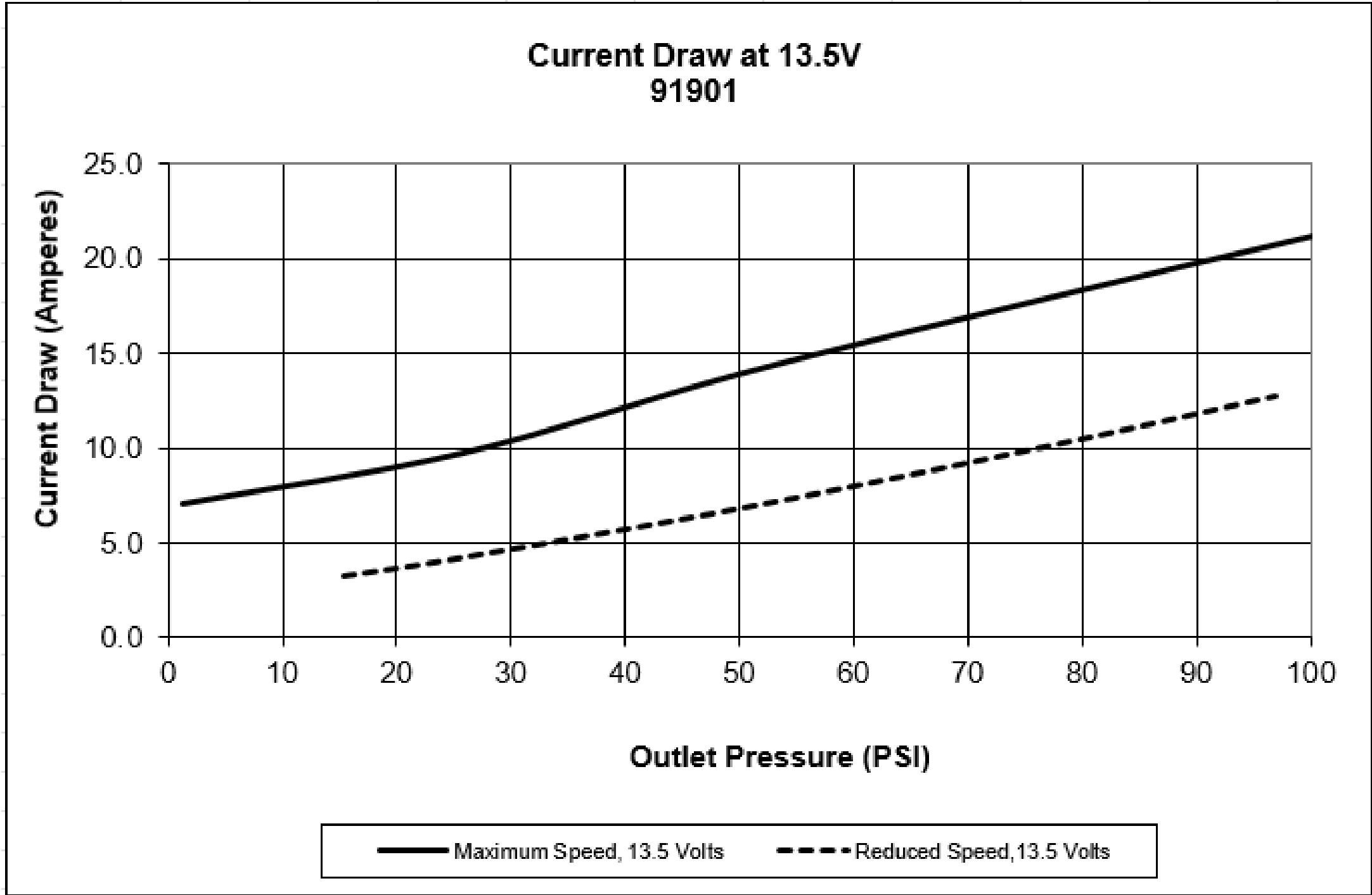
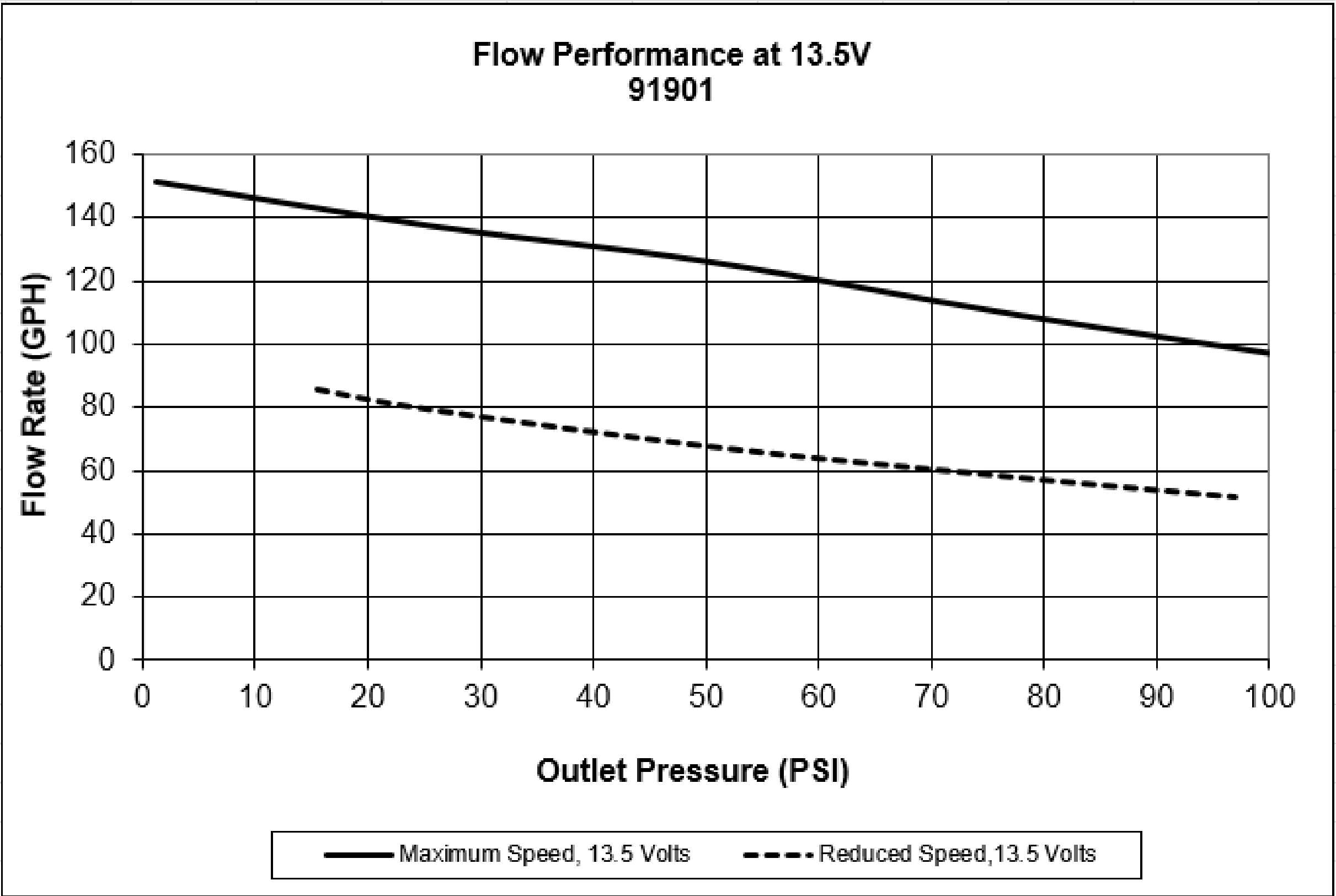
THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

FUELAB
DIGITAL FUEL DELIVERY
Collinsville, Illinois

TITLE:
**POWER MODULE,
9x9xx SERIES**

SIZE C	DWG. NO. 110020400	REV B
SCALE: 1/1	WEIGHT: 3.0 LB	SHEET: 2 OF 4



UNLESS OTHERWISE SPECIFIED:

INTERPRET DWG PER ANSI Y14.5
DIMENSIONS ARE IN INCHES

TOLERANCES:
FRACTIONAL: $\pm 1/64"$
ANGULAR: $\pm 1/2^\circ$
DECIMALS:
X ± 1 XX ± 0.03 XXX ± 0.10

SURFACE FINISH $\sqrt{128}$ OR BETTER

BREAK ALL SHARP EDGES .010 MAX
REMOVE ALL BURRS

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

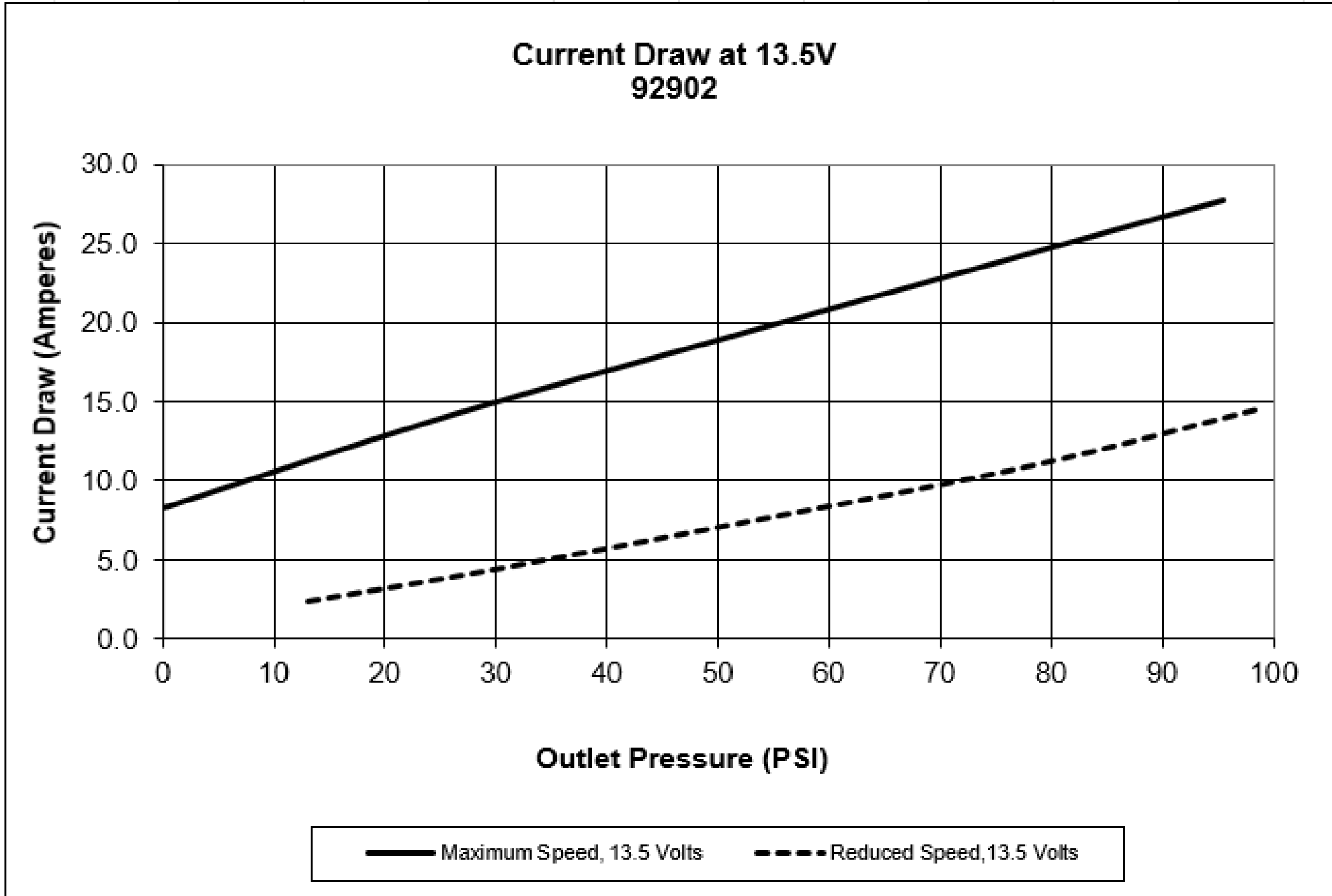
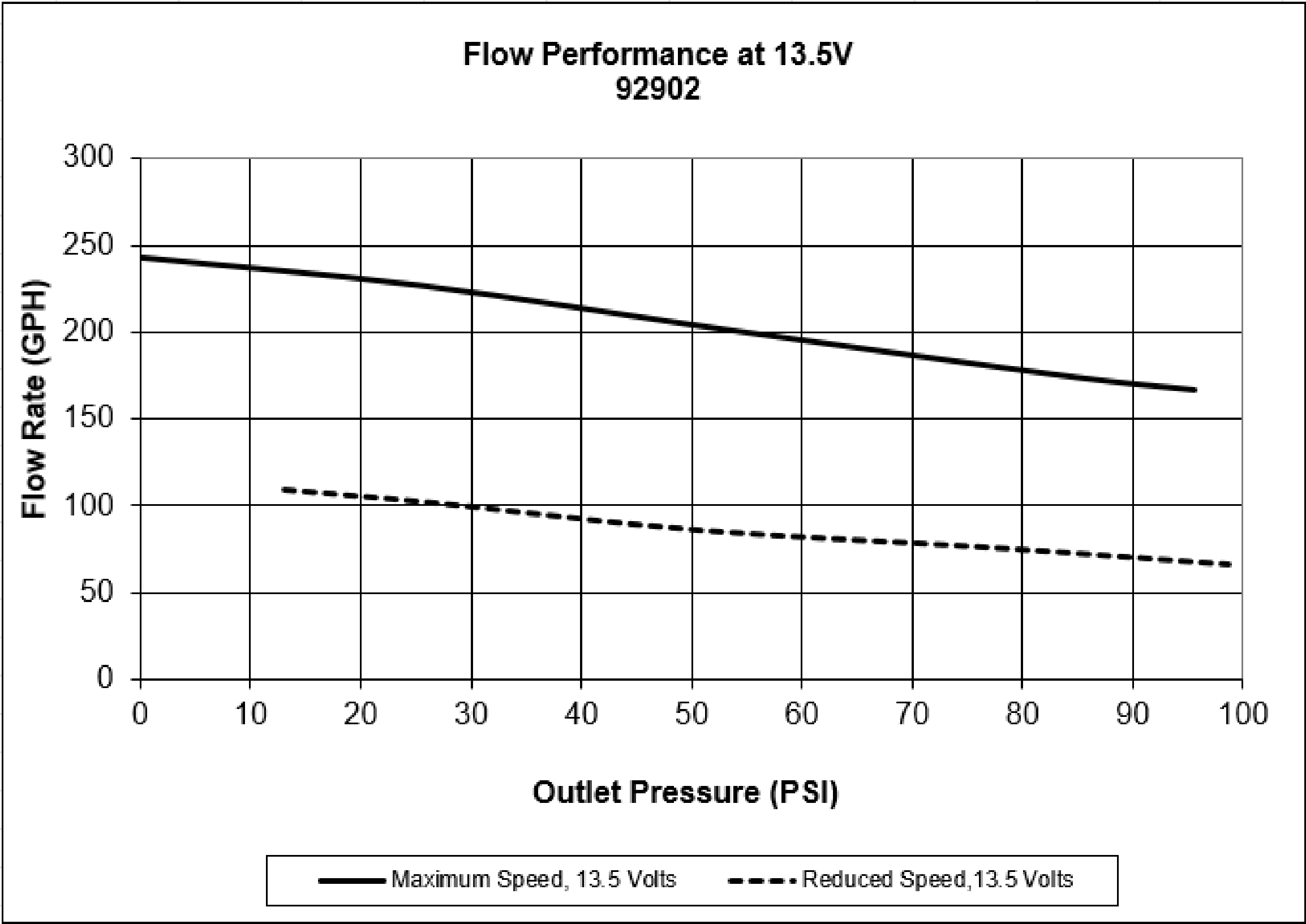
FUELAB
DIGITAL FUEL DELIVERY
Collinsville, Illinois


TITLE:

**POWER MODULE,
9x9xx SERIES**

SIZE	DWG. NO.	REV
C	110020400	B

SCALE: 1/1	WEIGHT: 3.0 LB	SHEET: 3 OF 4
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UNLESS OTHERWISE SPECIFIED: INTERPRET DWG PER ANSI Y14.5 DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: $\pm 1/64"$ ANGULAR: $\pm 1/2^\circ$ DECIMALS: X ± 1 XX ± 0.03 XXX ± 0.10 SURFACE FINISH $\sqrt{128}$ OR BETTER BREAK ALL SHARP EDGES .010 MAX REMOVE ALL BURRS		 Collinsville, Illinois	
TITLE: POWER MODULE, 9x9xx SERIES			
SIZE C	DWG. NO. 110020400	REV B	
SCALE: 1/1	WEIGHT: 3.0 LB	SHEET: 4 OF 4	

THIRD ANGLE PROJECTION
DO NOT SCALE DRAWING