

NOTES:

1. THIS DRAWING DESCRIBES THE FUELAB 4741X 4742X SERIES ELECTRONIC FUEL PUMP.
2. FEATURES INCLUDE:
 - THREE PHASE DC BRUSHLESS MOTOR WITH NEODYMIUM MAGNETS
 - EXTERNAL CONTROLLER WITH PWM SPEED CONTROL CAPABILITY AND/OR CANBus CAPABILITIES.
 - INTEGRATED SCREW STYLE PUMP
 - WET MOTOR DESIGN, WITHOUT DYNAMIC SHAFT SEALS
 - BILLET BRACKET ALUMINUM, STAINLESS STEEL CONSTRUCTION WITH FLUOROSILICONE SEALS.
3. FUEL COMPATIBILITY INCLUDES:
 - GASOLINE (PUMP OR RACE)
 - METHANOL
 - ETHANOL (INCLUDING E85)
 - DIESEL
4. PORT O-RINGS, MATING ELECTRICAL CONNECTOR, INSTRUCTIONS AND PERFORMANCE CERTIFICATION INCLUDED, BAGGED SEPARATELY FROM PUMP.
5. 9.5-22 VOLT OPERATING RANGE, USE ONLY 12 VOLT OR 16 VOLT (6 OR 8 CELL LEAD ACID BATTERY) VEHICLE SYSTEMS WITH OR WITHOUT CHARGING SYSTEM.
6. ALL MODEL 4741X & 4742X SERIES SYSTEMS REQUIRE BYPASS REGULATOR OR RELIEF VALVE TO AVOID OVER-PRESSURE OPERATING CONDITION.
7. SEE TABLE BELOW FOR DETERMINATION OF DESIRED MODEL NUMBER.


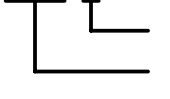



MODEL SELECTION TABLE

MODEL	FLOW RATING, AT 13.5v	FLOW RATING, AT 13.5v	MAX. PRESSURE
47411	79 GPH AT 45 PSI	300 LPH AT 3.0 BAR	125 PSI (8.5 BAR)
47412	105 GPH AT 45 PSI	400 LPH AT 3.0 BAR	125 PSI (8.5 BAR)
47413	145 GPH AT 45 PSI	550 LPH AT 3.0 BAR	125 PSI (8.5 BAR)
47414	165 GPH AT 45 PSI	625 LPH AT 3.0 BAR	125 PSI (8.5 BAR)
47415	291 GPH AT 45 PSI	1100 LPH AT 3.0 BAR	125 PSI (8.5 BAR)

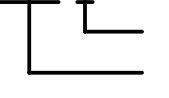




MODEL SELECTION TABLE


MODEL	FLOW RATING, AT 13.5v	FLOW RATING, AT 13.5v	MAX. PRESSURE
47421	79 GPH AT 45 PSI	300 LPH AT 3.0 BAR	125 PSI (8.5 BAR)
47422	105 GPH AT 45 PSI	400 LPH AT 3.0 BAR	125 PSI (8.5 BAR)
47423	145 GPH AT 45 PSI	550 LPH AT 3.0 BAR	125 PSI (8.5 BAR)
47424	165 GPH AT 45 PSI	625 LPH AT 3.0 BAR	125 PSI (8.5 BAR)
47425	291 GPH AT 45 PSI	1100 LPH AT 3.0 BAR	125 PSI (8.5 BAR)

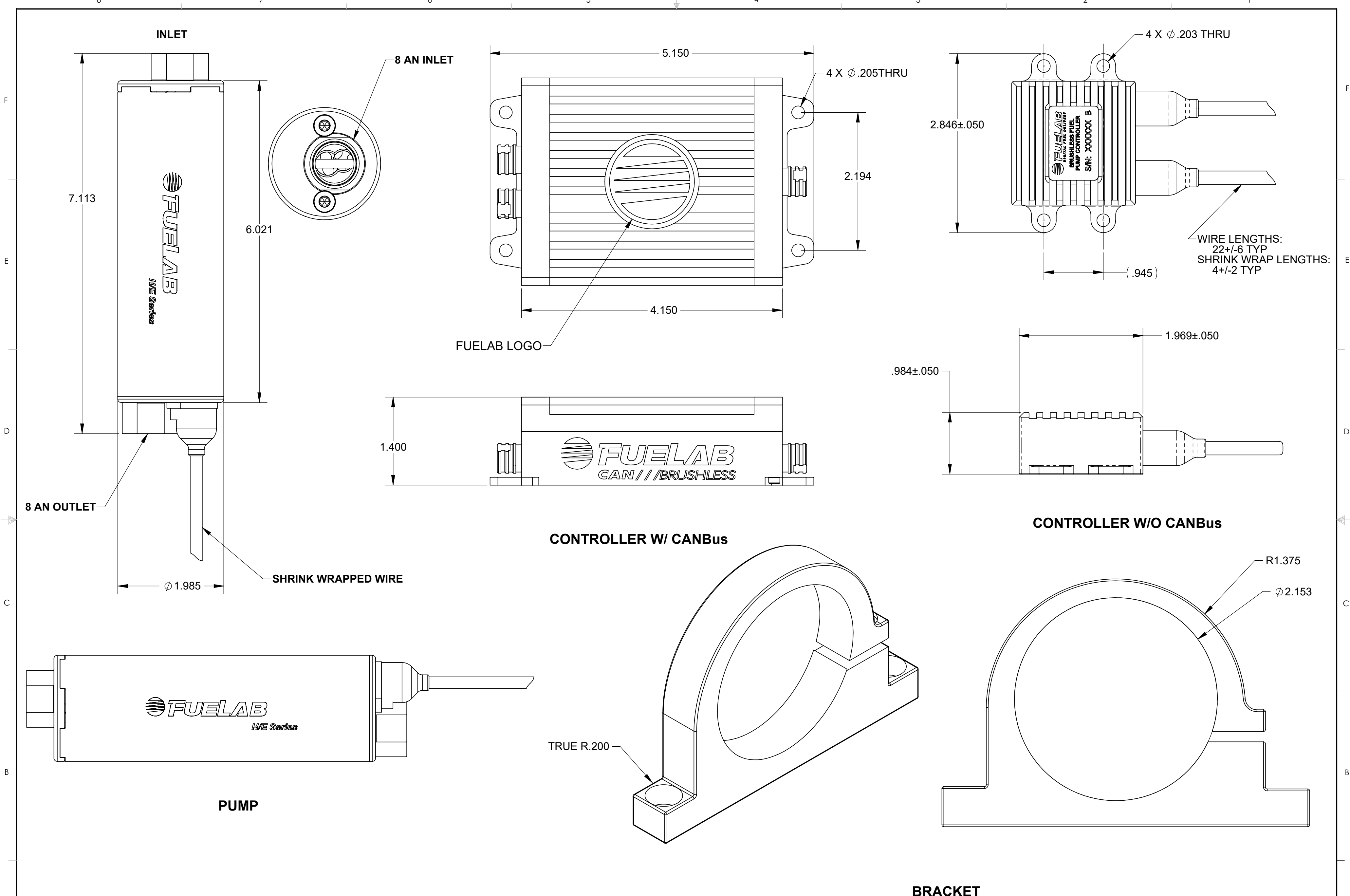
MODEL NUMBER SCHEME:

- 474 - 11**

 300 LPH FUEL PUMP W/O CANBus
 HIGH EFFICIENCY EFI IN LINE SCREW PUMP
- 474 - 12**

 400 LPH FUEL PUMP W/O CANBus
 HIGH EFFICIENCY EFI IN LINE SCREW PUMP
- 474 - 13**

 550 LPH FUEL PUMP W/O CANBus
 HIGH EFFICIENCY EFI IN LINE SCREW PUMP
- 474 - 14**

 625 LPH FUEL PUMP W/O CANBus
 HIGH EFFICIENCY EFI IN LINE SCREW PUMP
- 474 - 15**

 1100 LPH FUEL PUMP W/O CANBus
 HIGH EFFICIENCY EFI IN LINE SCREW PUMP

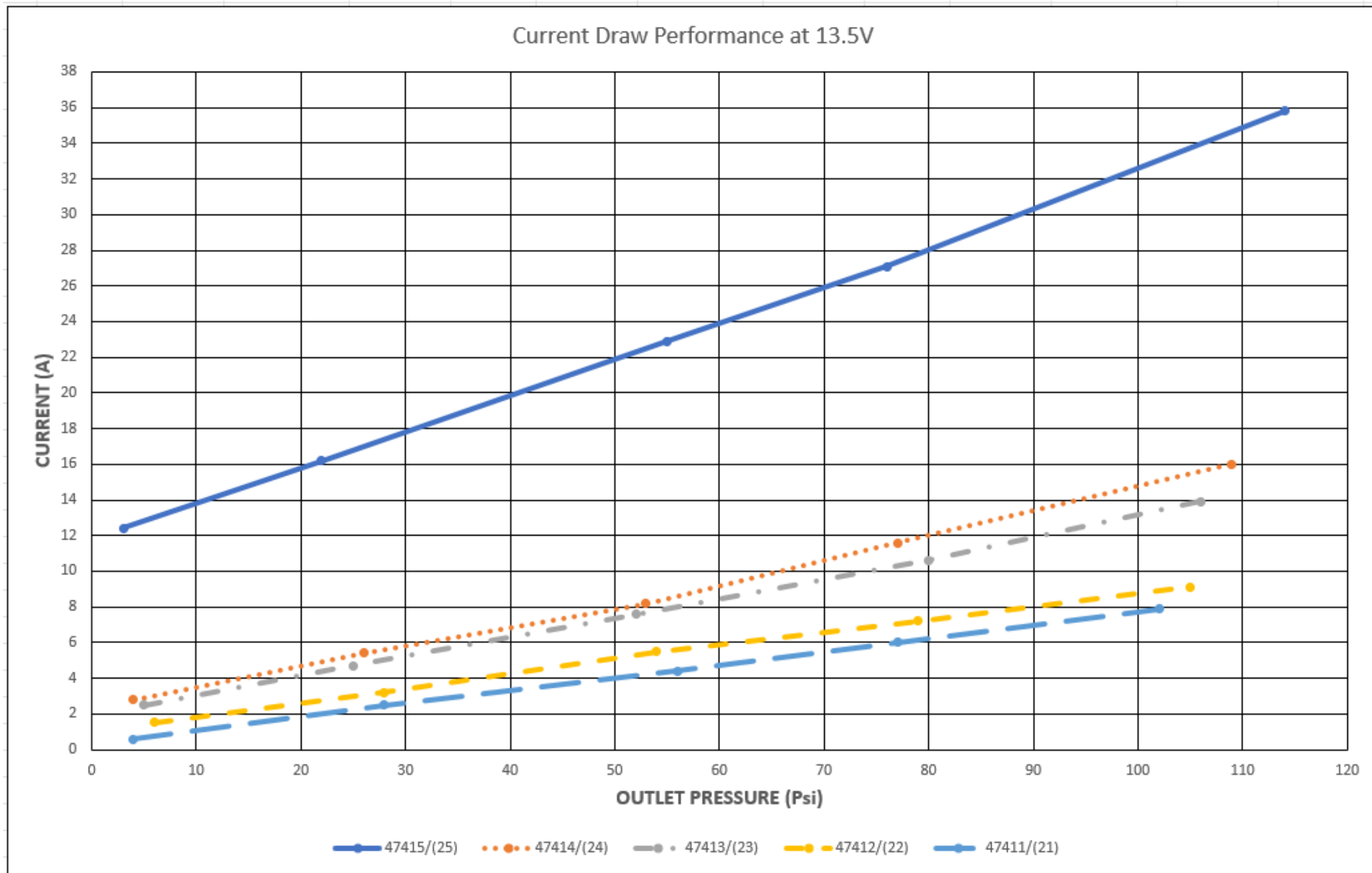
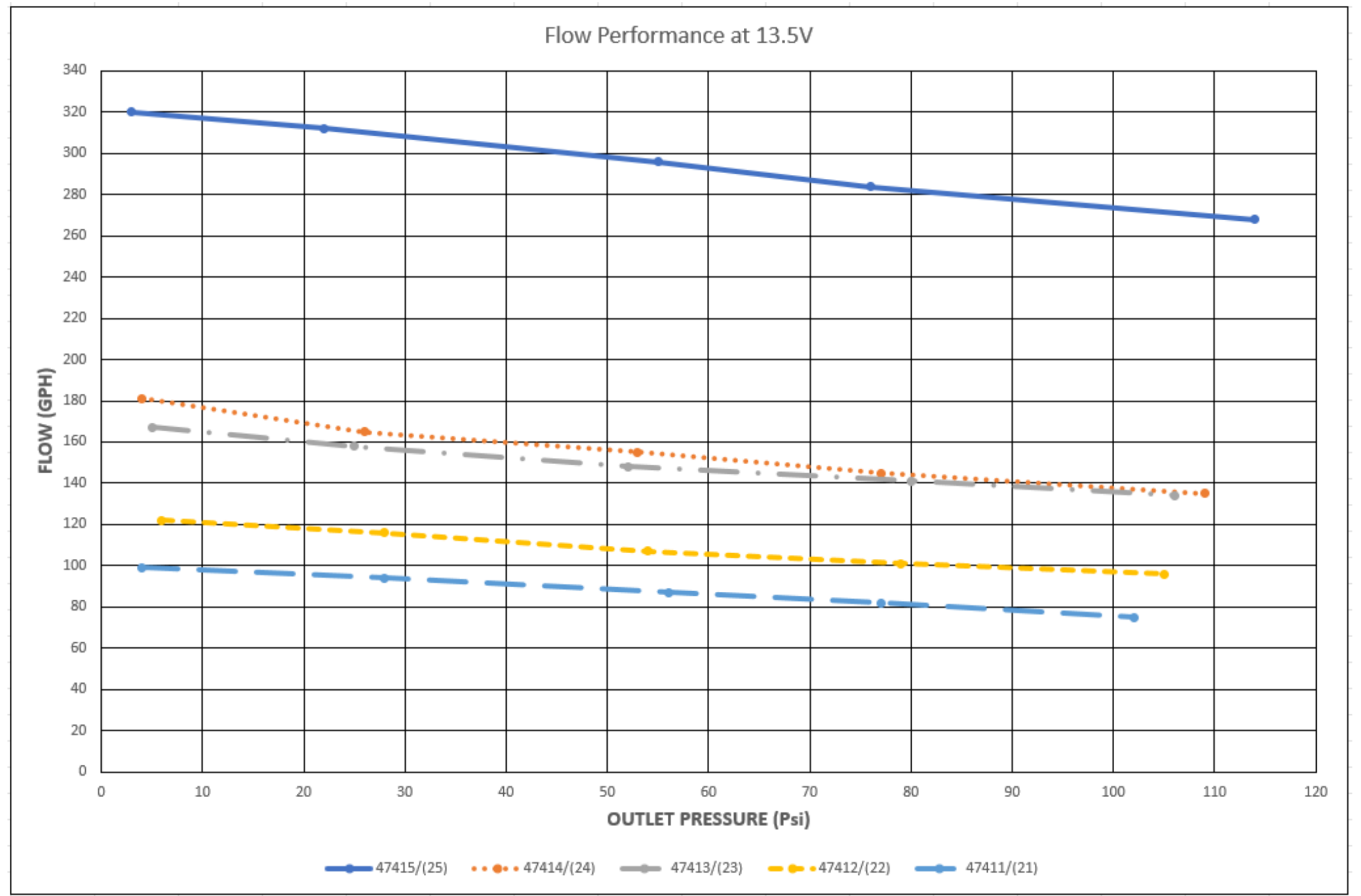
MODEL NUMBER SCHEME:

- 474 - 21**

 300 LPH FUEL PUMP WITH CANBus
 HIGH EFFICIENCY EFI IN LINE SCREW PUMP
- 474 - 22**

 400 LPH FUEL PUMP WITH CANBus
 HIGH EFFICIENCY EFI IN LINE SCREW PUMP
- 474 - 23**

 550 LPH FUEL PUMP WITH CANBus
 HIGH EFFICIENCY EFI IN LINE SCREW PUMP
- 474 - 24**

 625 LPH FUEL PUMP WITH CANBus
 HIGH EFFICIENCY EFI IN LINE SCREW PUMP
- 474 - 25**

 1100 LPH FUEL PUMP WITH CANBus
 HIGH EFFICIENCY EFI IN LINE SCREW PUMP

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		 COLLINSVILLE, ILLINOIS	
TITLE: IN-LINE, SCREW PUMP			
THIRD ANGLE PROJECTION	SIZE C	DWG. NO. 114020300	REV A
DO NOT SCALE DRAWING	SCALE: 1/1	WEIGHT:	SHEET: 1 OF 3



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 <small>DIGITAL FUEL DELIVERY</small> Collinsville, Illinois		
TITLE:		
IN-LINE, SCREW PUMP		
SIZE	DWG. NO.	REV
C	114020300	A
SCALE: 1/1	WEIGHT:	SHEET: 2 OF 3



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:
IN-LINE, SCREW PUMP

SIZE	DWG. NO.	REV
C	114020300	A

SCALE: 1/1 WEIGHT: SHEET: 3 OF 3