



ESP Package



BOM: ESPM51543DIGL0ZH

VFD Package Specifications

Enclosure	NEMA 3R
Cooling Method	Air Cooled Filter Fans
Filtration	Replaceable
Input Voltage	460V +/-10%, 3 Phase
Input Frequency	60 HZ
Min. Ambient Temp	-20F (-28C)
Max. Ambient Temp	122F (50C)
Heating Method	800w heater
Circuit Breaker Disconnect	LO/TO Compliant (Flanged)
Circuit Breaker Rating	800A 35 KAIC Minimum
Line Side Reactor	3%
Surge Protection	UL 1449 40kA Surge Current
Control Power Transformer	1000VA
Display	12.1 OptiPump ESP Controller
Control	On/Off, 4-20mA
Voltage Monitoring	Power Protection Circuit
Indicator Lights	3 color LED status light
Output Filter	Sinewave Filter

VFD Chassis Specifications

Brand	Fuji
Model	FRN450G1S-4U
Horsepower	450HP
Amperage/Altitude	515A/1000m w/o Derate
Humidity	Non-Condensing, 95% Max.
Overload Capacity	120% for 1 Min
Output Frequency	0.1 to 400 Hz
Analog Inputs	(2) 0-10VDC, (1) 4-20mA
Analog Outputs	(2) 0-10VDC or 4-20mA
Digital Inputs	(7)
Digital Outputs	(2) Relays, (4) Transistor
Communication	Modbus TCP/RTU/IP

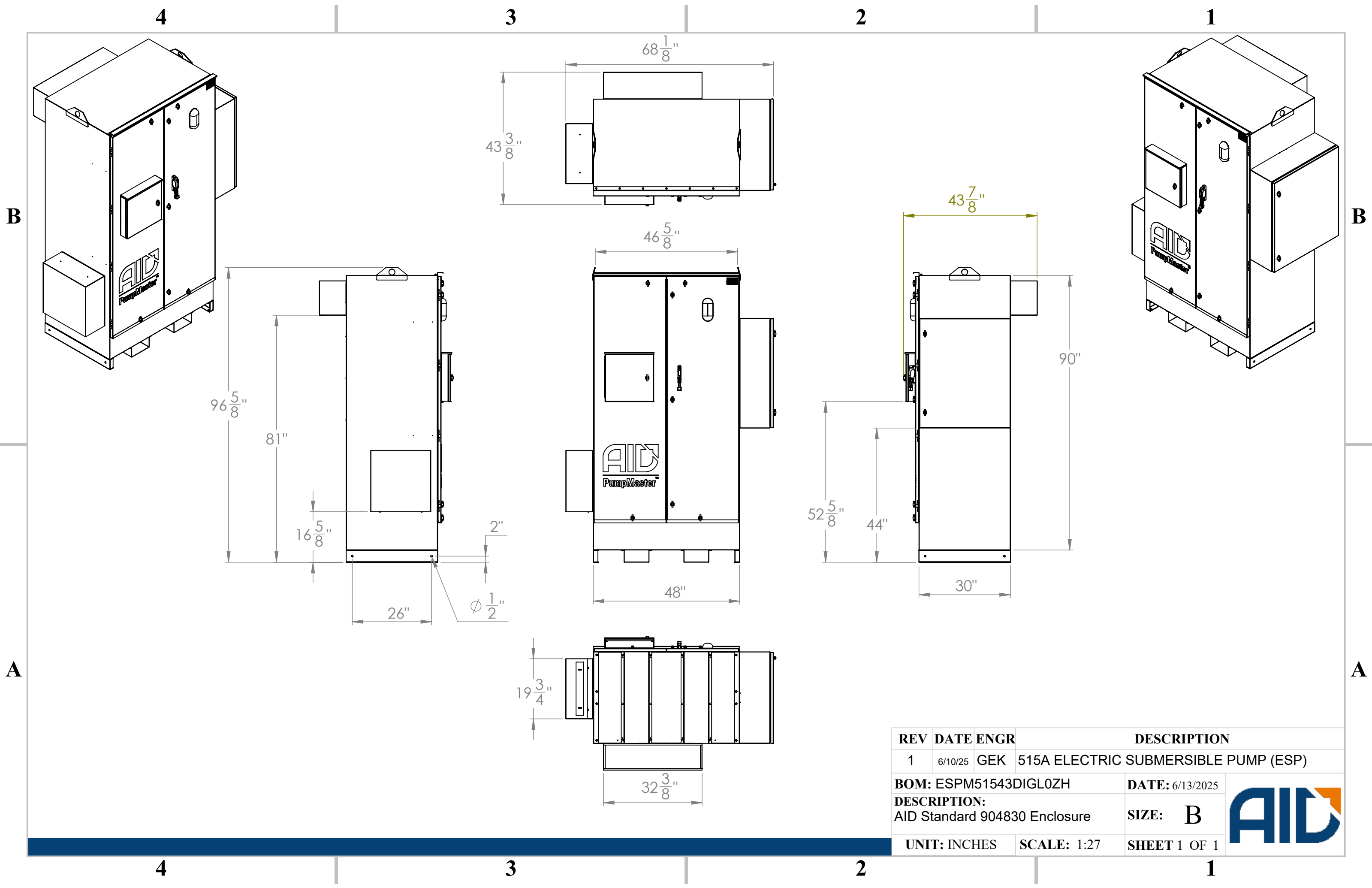
Enclosure Materials

Enclosure Material	Carbon Steel
Enclosure Paint Spec	Powder Coated
Enclosure Dimensions	90 X 48 X 30
Weight (lbs)	TBD

Available Package Options

Premium Surge Protection Device (SPD)
Control Voltage Wiring Hip Box (CVHB)
Auxiliary VFD's or Starters
DriveLynx (SCADA) & Remote Monitoring (ARCC)
UL 508A Listing
Steel Skid
Call to learn about other available options





REV	DATE	ENGR	DESCRIPTION	
1	6/10/25	GEK	515A ELECTRIC SUBMERSIBLE PUMP (ESP)	
BOM: ESPM51543DIGL0ZH			DATE: 6/13/2025	
DESCRIPTION: AID Standard 904830 Enclosure			SIZE: B	
UNIT: INCHES			SCALE: 1:27	
			SHEET 1 OF 1	