



Progressive Cavity Package



BOM: PCPM04043BAAL0BJ

VFD Package Specifications

Enclosure	NEMA 3R
Cooling Method	Air Cooled Filter Fans
Filtration	Replaceable
Input Voltage	460V +10%/-15% 3 Phase
Input Frequency	60 HZ
Min. Ambient Temp	-20F (-29C)
Panel Heater	Yes
Max. Ambient Temp	122F (50C)
Circuit Breaker Disconnect	LO/TO Compliant (Rotary)
Circuit Breaker Rating	90A 18 KAIC Minimum
Line Side Reactor	3%
Surge Protection	UL 1449 40kA Surge Current
Control Power Transformer	350VA
Display	5.7 OptiPump PC Controller VFD Keypad
Control	HOA, Speed Pot, 4-20MA
Heating Method	100 watt heater

VFD Chassis Specifications

Brand	Fuji
Model	FRN40G1S-4U
Horsepower	40HP
Amperage/Altitude	60A/1000m w/o Derate Non-
Humidity	Non-Condensing, 95% Max.
Overload Capacity	120% for 1 Min
Output Frequency	0.01 to 400 Hz
Analog Inputs	(2) 0-10vdc, (1) 4-20mA,
Analog Outputs	(2) 4-2-MA or 0-10V
Digital Inputs	(7)
Digital Outputs	(2) Relays, (4) Transistor
Communications	RS-485: Modbus RTU
Standards	UL, cUL, CE Listed

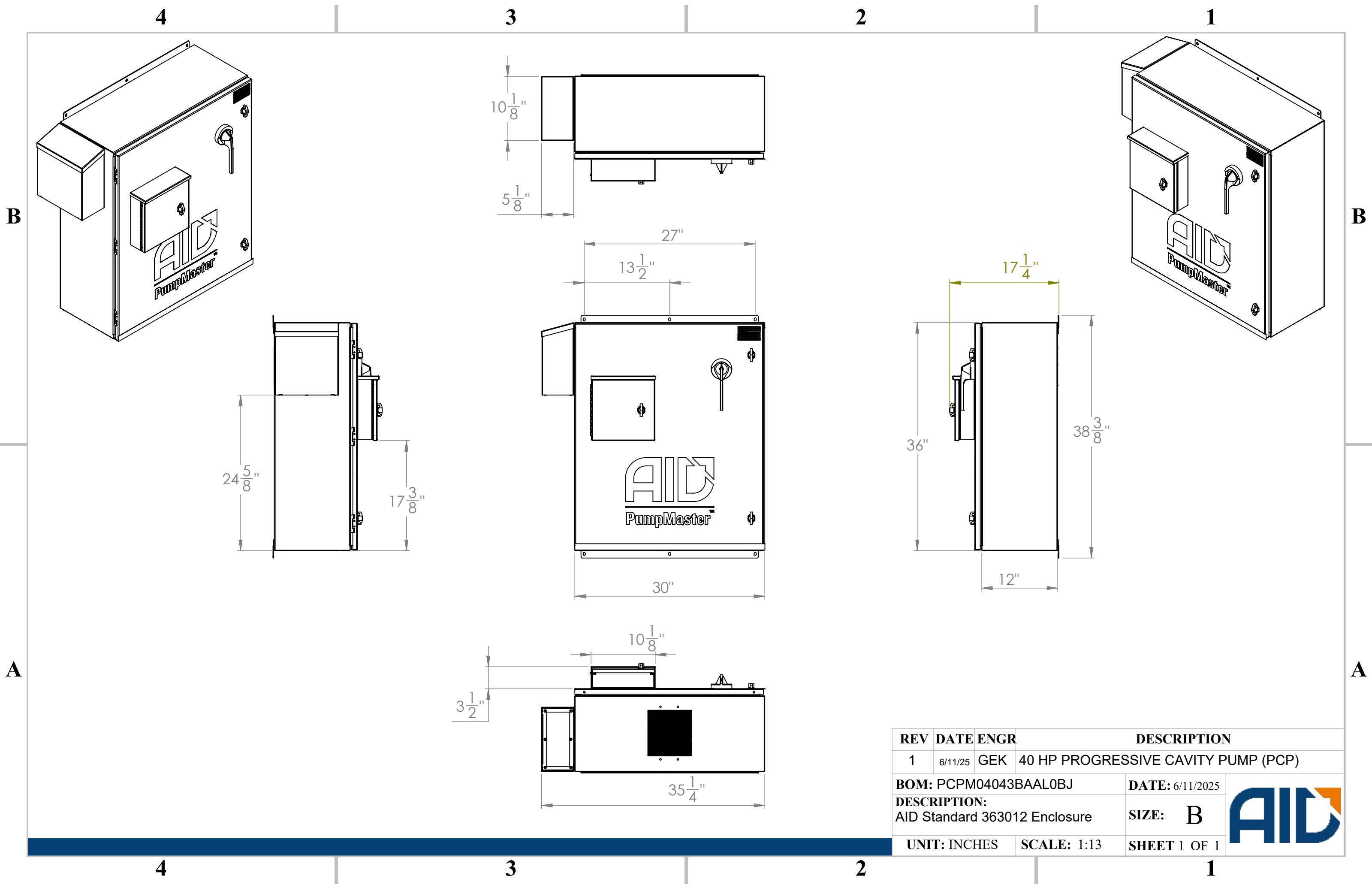
Enclosure Materials

Enclosure Material	Carbon Steel
Enclosure Paint Spec	Powder Coated
Enclosure Dimensions	36 X 30 X 12
Weight (lbs)	TBD

Available Package Options

Premium Surge Protection Device
Indicator Lights
UL 508A Listed
Power Protection Circuit
DriveLynx (SCADA) & Remote Monitoring (ARCC)
Floor stand





REV	DATE	ENGR	DESCRIPTION	
1	6/11/25	GEK	40 HP PROGRESSIVE CAVITY PUMP (PCP)	
BOM: PCPM04043BAAL0BJ			DATE: 6/11/2025	
DESCRIPTION: AID Standard 363012 Enclosure			SIZE: B	
UNIT: INCHES			SCALE: 1:13	
			SHEET 1 OF 1	