



# Progressive Cavity Package



BOM:PCPM10043BAAL0BJ

## 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     | 200A 35 KAIC Minimum                  |
| Line Side Reactor          | 3%                                    |
| Surge Protection           | UL 1449 40kA Surge Current            |
| Control Power Transformer  | 500VA                                 |
| Display                    | 5.7 OptiPump PC Controller VFD Keypad |
| Control                    | HOA, Speed Pot, 4-20MA                |
| Heating Method             | 200 watt heater                       |

## VFD Chassis Specifications

|                   |                            |
|-------------------|----------------------------|
| Brand             | Fuji                       |
| Model             | FRN100G1S-4U               |
| Horsepower        | 100HP                      |
| Amperage/Altitude | 150A/1000m w/o Derate      |
| 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) 4-20MA or 0-10V        |
| Digital Inputs    | (7)                        |
| Digital Outputs   | (2) Relays, (4) Transistor |
| Communications    | RS-485: Modbus RTU         |
| Standards         | UL, cUL, CE Listed         |

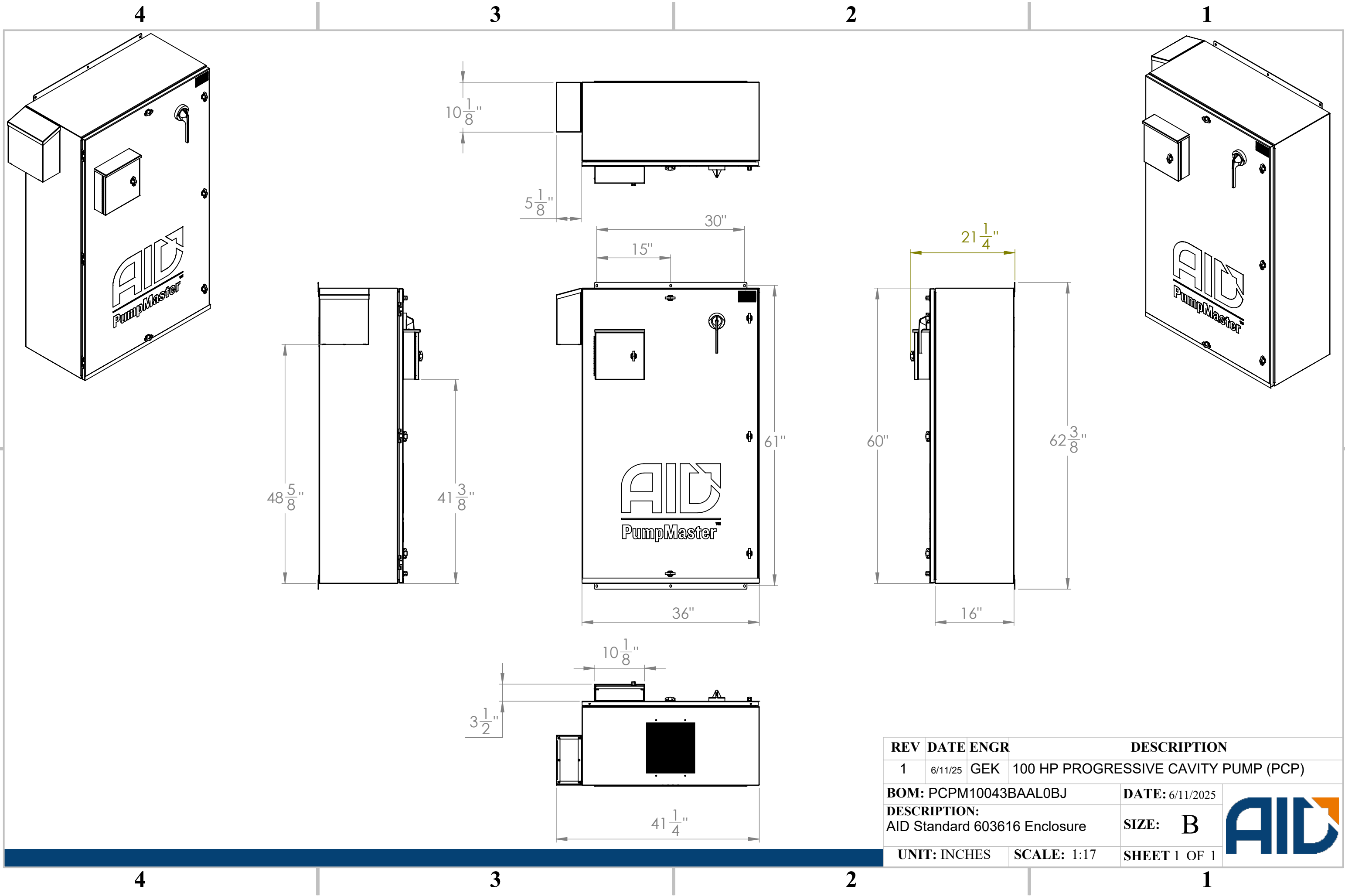
## Enclosure Materials

|                      |               |
|----------------------|---------------|
| Enclosure Material   | Carbon Steel  |
| Enclosure Paint Spec | Powder Coated |
| Enclosure Dimensions | 60 X 36 X 16  |
| 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  | 100 HP PROGRESSIVE CAVITY PUMP (PCP) |                                                                                       |
| BOM: PCPM10043BAAL0BJ                         |         |      | DATE: 6/11/2025                      |  |
| DESCRIPTION:<br>AID Standard 603616 Enclosure |         |      | SIZE: B                              |                                                                                       |
| UNIT: INCHES                                  |         |      | SCALE: 1:17                          |                                                                                       |
|                                               |         |      | SHEET 1 OF 1                         |                                                                                       |