The Design Envelope model selected will provide flow reading on the controls local keypad & digitally for the bms. The model readout will be factory tested to ensure ±5% accuracy.
OPTIONS

SENSORLESS BUNDLE (STANDARD)

Operation of pump without a remote sensor. Includes:
- Sensorless control
- Flow readout
- Constant flow
- Constant pressure

Minimum system pressure to be maintained

* If minimum maintained system pressure is not known: Default to 40% of design head

PARALLEL SENSORLESS (STANDARD)

Operation of multiple pumps without a remote sensor

Minimum system pressure to be maintained

* If minimum maintained system pressure is not known: Default to 40% of design head

ENERGY PERFORMANCE BUNDLE

Provides energy savings on oversized systems by adjusting pump parameters to on-site conditions. Includes:
- Auto-flow balancing – Automatically determines control curve between design flow at on-site system head, and minimum (zero-head) flow for energy savings
- Maximum flow control – Limits flow rate to pre-set maximum for potential energy savings

Maximum flow rate

*Only available if sensorless bundle is enabled

ZONE OPTIMIZATION BUNDLE

Controls pumps to ensure multiple zones are satisfied for heating or cooling
- 2 sensor control – Controls pumps in a 2-zone application to ensure both zones are always satisfied for heating or cooling

DUAL SEASON SETUP

Pre-sets heating and cooling parameters for pumps in 2-pipe systems

Cooling
Duty point gpm (L/s) at ft (m)
Minimum system pressure to be maintained ft (m)

Heating
Duty point gpm (L/s) at ft (m)
Minimum system pressure to be maintained ft (m)

OPTIONAL SERVICES

ON-SITE PUMP COMMISSIONING

Where purchased and applicable, onsite commissioning by an Armstrong representative will include setting up communication with the Pump (not wiring to BAS), adjusting parameters to match on-site conditions, register the pumps for enhanced warranty and connect the pumps to the router as part of the activation of Pump Manager.

PUMP MANAGER

As a Performance Management Service, Pump Manager is an online automated fault detection and diagnostic service for sustained performance and enhanced reliability. It includes advanced trending, alerts of variance in performance and automated reports.

Available in yearly increments. Includes an option for a price discount on the Extended Warranty Service.

*The Service requires an active internet connection.
Performance curves are for reference only.
Confirm current performance data with Armstrong ACE Online selection software.

- Tolerance of ±0.125" (±3 mm) should be used
- For exact installation, data please write factory for certified dimensions

**DIMENSION DATA**

<table>
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<th>OUTDOOR (UL TYPE 4X/TEFC)</th>
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**Weight:**
- INDOOR: 1711 (776.1)
- OUTDOOR: 1797 (814.9)

Dimensions – inch (mm)

Weight – lbs (kg)