

CLP Series - Suction Lift

Compact Low Profile 5HP VFD Pump Station

5 HP; Up to 65 psi; Up to 140 gpm

Rain Bird's CLP Series pump station is designed for suction lift applications. The CLP Series is a complete pump package that is simple to install and operate. It includes a professional-grade pump, an aluminum enclosure, highest quality pump protection, and optional mounting for a Rain Bird controller. Home owner associations, small sports fields, schools, parks, and small agricultural projects are ideal applications. The CLP Series' compact design, durable centrifugal self-priming pump, and ease of installation, make this a perfect solution for applications with flows up to 140 gpm. With this complete solution there is no need to deal with the hassle of stick building a pump station with non-compatible parts and a makeshift enclosure. Only Rain Bird provides a totally integrated irrigation solution with UL listed components and a one year warranty that dependably deliver healthy, beautiful landscapes, saving time and minimizing maintenance.

At-A-Glance Description

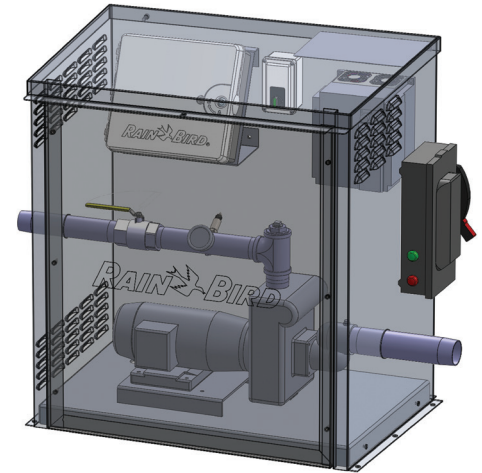
- **Variable Frequency Drive (VFD)**
- **Pump Start Relay** included
- **Aluminum Deck and Enclosure**
- **Stainless Steel Piping**
- **Isolation Valve** for maintenance
- **Manual Switch** provides user full control and override capabilities
- **2" – Discharge, 2 1/2" Suction Port NPT**
- **Available in single and three phase 208V, 220V, 230V VAC configurations**
- **Mounting options for Rain Bird Controllers** (purchased separately)

Features

- **Plumbing Configurations**
 - Inlet and discharge piping on opposite sides of the enclosure (as shown)
 - 3/4" and 2" Priming Ports Included
- **Mechanical Features**
 - Isolation valve
 - Liquid filled pressure gauge
 - Rugged self-priming centrifugal pump

- **Enclosures / External Connections**
 - Marine grade aluminum enclosure
 - Marine grade aluminum deck
 - Stainless Steel piping
 - Fused main power disconnect
- **Pump Control**
 - Runs based on signal from irrigation controller.
 - 24VAC Pump start relay included. Other voltages available as an accessory.
 - 130 °F Temperature cutout switch
- **Electrical Features**
 - Incoming power: Single or three phase 208V, 220V, 230V AC
 - ODP Motor
 - UL listed components
- **Energy efficient – Variable Frequency Drive (VFD) maintains constant pressure at varying flow demand.**
 - Stainless steel pressure transducer
 - Red light for VFD alarms
 - Green pump running light
 - Pipe fill mode reducing pressure surge at pump start up
 - Programmable override pump speed
 - Loss of prime and pipe break alarm
 - Dead head shut down
 - Transducer loss shut down
- **Back panel for mounting Rain Bird controllers**
 - Pre-drilled for ESP-Me, ESP-LXMe, and ESP-LXD Series Controllers. (**Rain Bird controller purchased separately**)

Pipe fill mode reducing surge at pump start up!

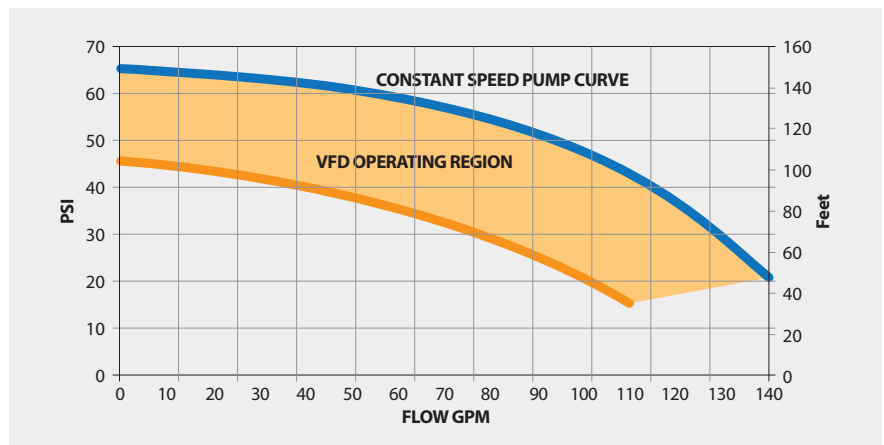


Shown w/ Optional Rain Bird Controller. (Ordered Separately)

- **Separate** independent power feed required to power controller.
- Mounted inside or outside aluminum enclosure

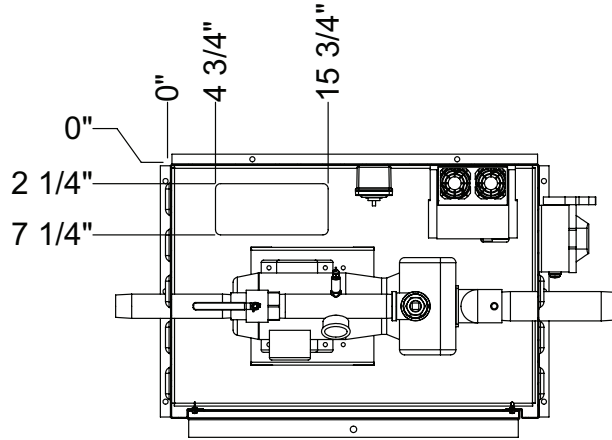
Accessories

- **Surge Suppression Kit**
 - Single Phase (208-230 VAC)
 - Three Phase (208-230 VAC)
- **Pump Start Relay**
 - 6VDC, 12VDC
- **Suction Lift Accessories**
 - Foot valve
 - Intake screen

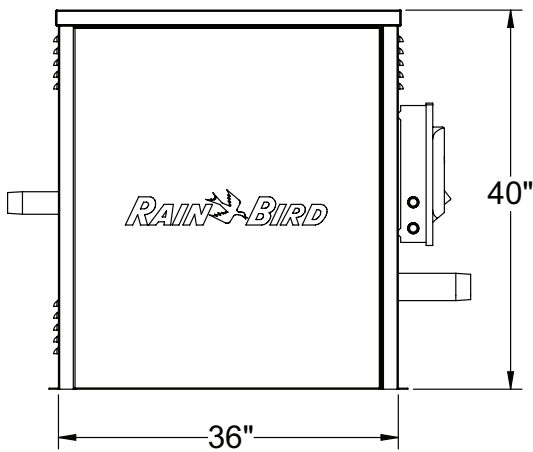


Note: At Suction Lift Height of 15 feet

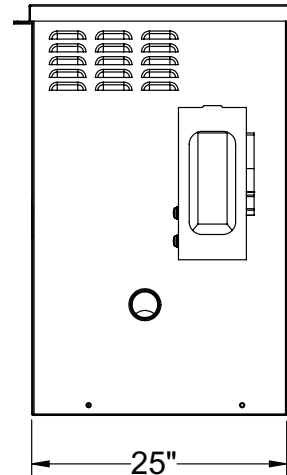
Details



Plan View



Profile View



Side View