

Horizontal End Suction - 2 Pump

Medium to High Flow Pump Station – 2 Pumps on a Single Deck

20 to 60 HP per pump; Up to 124 psi (8.6 bar); Up to 1200 gpm (76 lps, 273 m³/h)

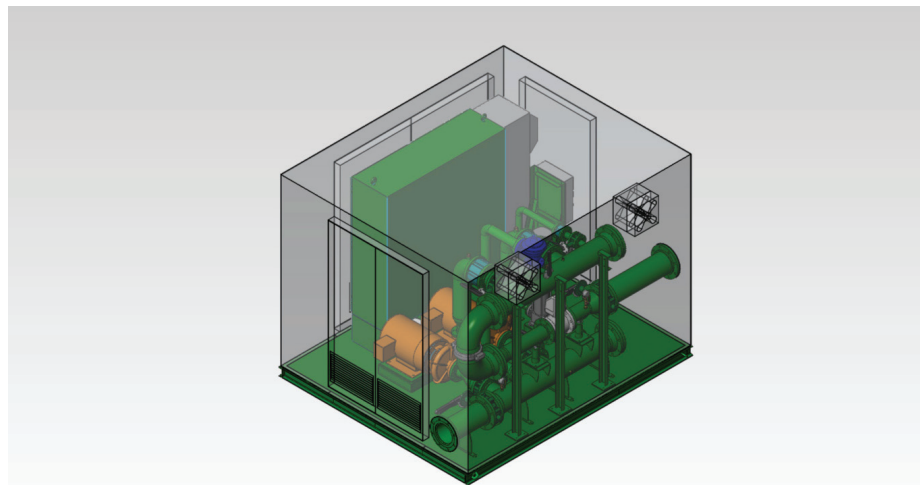
Rain Bird's 2 pump, Horizontal End Suction pump station with an optional marine grade aluminum enclosure is designed for medium-flow boost, flooded suction and suction lift applications, such as; parks, sports complexes, golf courses, turf farms and other agricultural projects. Its mid-sized design, durable centrifugal pump configuration and choice of options allow for a variety of applications. With an optional PM pump for pressure maintenance, this pump station is an ideal choice for main station or booster pump applications with flows up to 1200 gpm (76 lps, 273 m³/h).

At-A-Glance Description

- **Efficient and Serviceable** – Horizontal End Suction pumps with Variable Frequency Drive (VFD) maintain constant pressure at varying flow demand.
- **Medium Flow capacity** – up to 1200 gpm at 124 psi (76 lps, 273 m³/h at 8.6 bar)
- **Sophisticated control package** with enhanced PLC software.
- **Choice of filtration options** and accessories

Standard Features

- **Main Pumps – Horizontal End Suction**
- **Motors**
 - High Efficiency Motors, Weather Protected Type TEFC, Class F insulation
- **Mechanical Features**
 - Inlet Butterfly Isolation Valve
 - Discharge Butterfly Isolation Valve
 - Individual Pump Isolation Valves and Silent Check Valves
 - Hose Bib Connection
- **Pressure / Flow**
 - Stainless Steel Pressure Transducer
 - Paddle Wheel Flow Meter
- **Enclosures / External Connections**
 - Polyester Powder-Coated Steel Deck and Piping
 - Marine Grade Aluminum Enclosure
 - Heat Exchanger for Electrical Cabinet
 - Thermostat and Fan on Mechanical Enclosure
 - NEMA 4 Electrical Enclosure
- **Pump Control**
 - VFD with pump rotation



- Illuminated, 3-position HOA switches
- Resettable Circuit Breakers
- Low water level safety float switch to protect against loss of prime
- **Display**
 - 4 Line Monochrome Touch screen
- **PLC (Programmable Logic Control)**
 - Ethernet-ready PLC Control Package
- **Lake Level Safety**
 - Low Level Shut Off (Float)

Optional Features

- **Pressure Maintenance Pump**
 - 5 HP PM pump
- **Motors**
 - Premium Efficiency Motors
- **Mechanical Features**
 - Pressure Relief Valve
 - Flooded Suction Flood Prevention Valve
 - Zee Pipe

(continued on back)

Horizontal End Suction – 2 Pump

Motor Size	20 HP	25 HP	30 HP	40 HP	50 HP	60 HP
Power Requirement (Other Power configurations available upon request)	480/60/3 V/HZ/PH					
	380/50/3 V/HZ/PH					
	415/50/3 V/HZ/PH					
	575/60/3 V/HZ/PH					
Max Flow Main Pump Application ⁽¹⁾	400 GPM at 80 psi 25.2 LPS, 90.8 m ³ /hr at 5.5 bar	500 GPM at 89 psi 31.5 LPS, 114 m ³ /hr at 6.1 bar	600 GPM at 89 psi 37.9 LPS, 136 m ³ /hr at 6.1 bar	900 GPM at 89 psi 56.8 LPS, 204 m ³ /hr at 6.1 bar	1000 GPM at 106 psi 63.1 LPS, 227 m ³ /hr at 7.3 bar	1200 GPM at 124 psi 75.7 LPS, 273 m ³ /hr at 8.6 bar
Max Flow Booster Pump Application ⁽¹⁾	900 GPM at 37 psi boost 56.8 LPS, 204 m ³ /hr at 2.6 bar	1100 GPM at 46 psi boost 69.4 LPS, 250 m ³ /hr at 3.2 bar	1200 GPM at 46 psi boost 56.8 LPS, 204 m ³ /hr at 3.2 bar	1200 GPM at 72 psi boost 75.7 LPS, 273 m ³ /hr at 5.0 bar	1200 GPM at 89 psi boost 75.7 LPS, 273 m ³ /hr at 6.1 bar	1200 GPM at 124 psi boost 75.7 LPS, 273 m ³ /hr at 8.6 bar
Discharge Pipe	6", 8" or 10" flanged fitting (depending on max flow requirement)					
PM Pump	5 HP PM Pump - Standard					
Deck Dimensions	9' 6" x 8' 0" (2.90 Meters x 2.44 Meters)					
Min Slab Dimension	16' 0" x 14' 0" (4.88 Meters x 4.27 Meters)					
Cabinet Height	7' 5" (225 cm)					

(1) Refer to pump performance curves, provided upon request from pumps@rainbird.com

Optional Features (cont.)

- **Motors**
 - Motor Heaters
- **Pressure / Flow**
 - Magnetic Flow Meter
- **Intake Options**
 - Intake Screen and Foot Valve
 - Self Cleaning Intake Screen
- **Pump Control**
 - VPM (VFD Per Motor)
- **Display**
 - 8.4 inch, Color Touch Panel Display, with Ethernet port for VNC Connectivity
- **Panel Only**
 - Electrical Panel only (for retrofits)

• Communications

- Ethernet Radio Modem Kit (requires 8.4 inch, Color Touch Panel Display upgrade)
- Hardwire Ethernet Extender kit (requires 8.4 inch, Color Touch Panel Display upgrade)

Accessories

• Enclosures / External Connections

- Environmental Package
- Air Conditioning for Electrical Cabinet
- Re-Prime Piping (Suction Lift Only)
- 5 KW station heater
- Power Zone (120 VAC or 220/240 VAC)
- Custom Zee Pipe

• Filters

- 8" Wye Strainer Filter (1/8" openings)

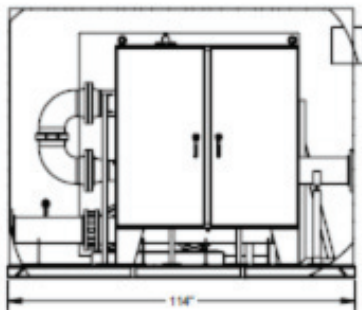
• Intake Filters

- SSt Steel Box Screen (flooded suction)
- SSt Self Cleaning Intake Screen with foot valve

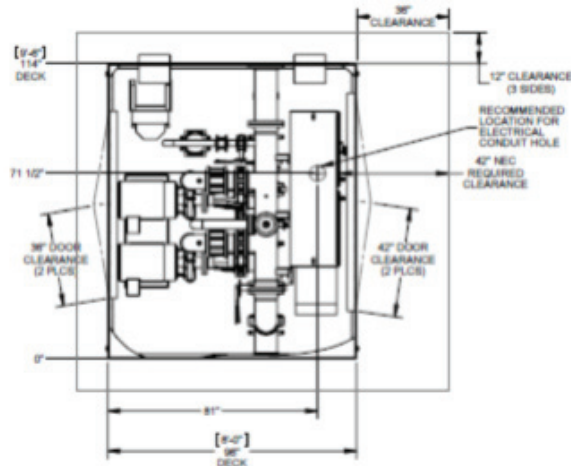
• Lake Level Control

- Lake level control circuit: Float probe sensor
- Lake level control circuit: Analog submersible transducer

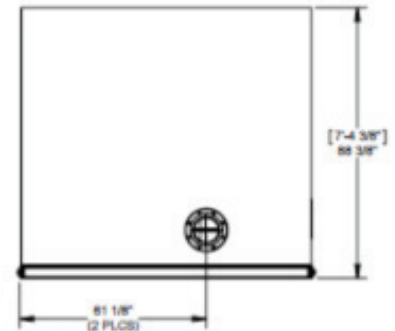
Details



Profile View



Plan View



Side View