

## Horizontal End Suction - 1 Pump - D Series

### Low to Medium Flow Pump Station

5 to 20 HP; Up to 130 psi (9.0 bar); Up to 350 gpm (22.1 lps, 79.5 m<sup>3</sup>/h)

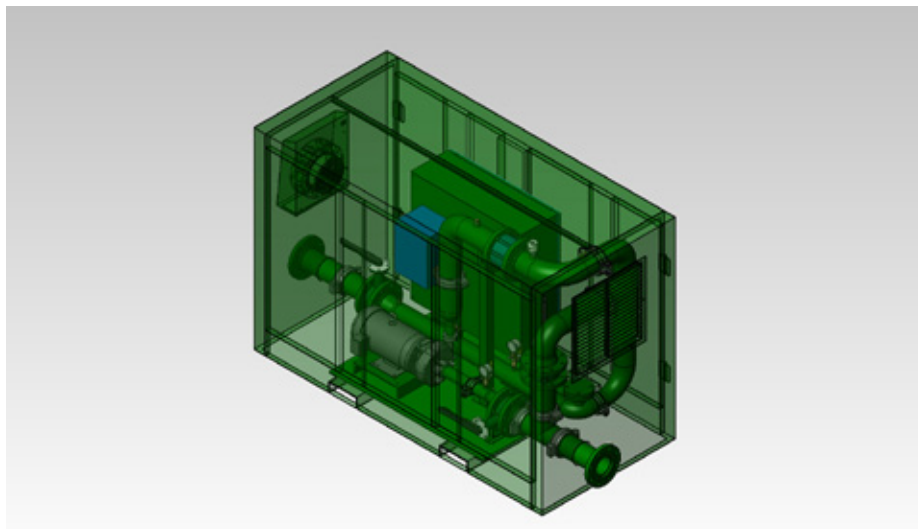
Rain Bird's single pump, Horizontal End Suction station in a powder-coated green enclosure is designed for small to midsize boost, flooded suction and suction lift applications such as city parks and buildings, sports fields, commercial buildings, small home owner's associations and large residential sites. Its small footprint, durable centrifugal pump configuration, and choice of options make it an ideal choice for Turf irrigation applications with flows up to 350 gpm (22.1 lps, 79.5 m<sup>3</sup>/h).

#### At-A-Glance Description

- **Reliability** – Integrated Plug-n-Pump provide single source responsibility for the entire pumping system insuring trouble-free installation and operation.
- **Energy efficient** – Variable Frequency Drive (VFD) maintains constant pressure at varying flow demand.
- **Inlet and discharge isolation valves** for easier mechanical serviceability.
- **Easy Start-up** – All stations are water-tested at the factory prior to shipment.

#### Standard Features

- **Plumbing Configurations**
  - Inlet and Discharge Piping on the opposite side of the enclosure (as shown)
- **Mechanical Features**
  - Inlet Butterfly Isolation Valve
  - Discharge Butterfly Isolation Valve
  - Silent Check Valve
- **Pressure / Flow**
  - Stainless Steel Pressure Transducer
  - Flow Switch
- **Enclosures / External Connections**
  - Polyester Powder Coated Steel Enclosure
  - Polyester Powder-Coated Steel Deck and Piping
  - Thermostat and Fan on Mechanical Enclosure
- **Pump Control**
  - Pump Start Relay
  - VFD - Variable Frequency Drive for Control of Pressure
- **Display**
  - 4 Line Monochrome Touch Screen Display



#### Optional Features

- **Plumbing Configurations**
  - Pump Bypass
  - Inlet and Discharge Piping through the deck (bottom)
- **Mechanical Feature**
  - Pressure Relief Valve
- **Pressure / Flow**
  - Upgrade Package: Heat Exchanger,
  - Paddlewheel Flowmeter, PLC, and NEMA 4 rated electrical cabinet
- **Enclosures**
  - Environmental Package: includes heater and insulation/sound proofing

#### Accessories

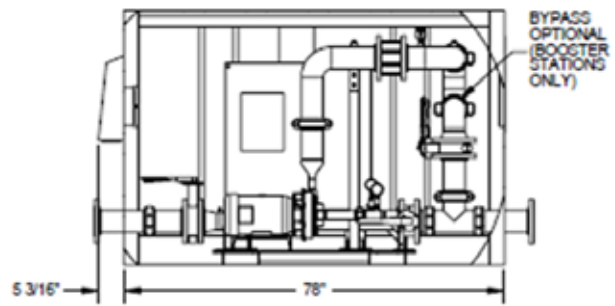
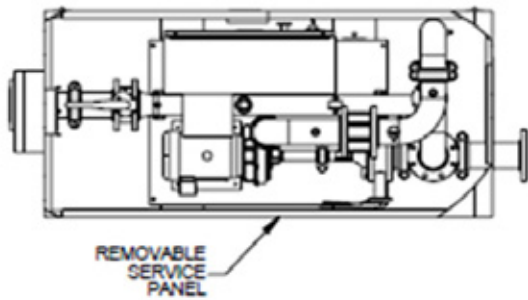
- **Intake Filters**
  - HDPE Suction Intake Piping
  - Foot Valve
  - Intake Screen
- **External Connections**
  - Zee Pipes
- Lake Level Control
- Lake Level Shut Off (Float)

#### Horizontal End Suction – 1 Pump – Green Enclosure

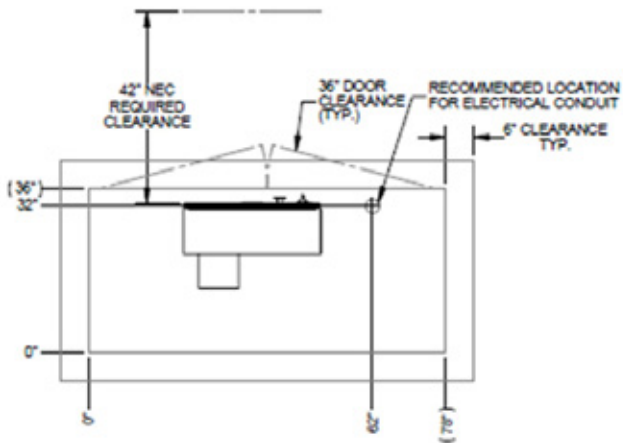
Motor Size	5 HP	7 ½ HP	10 HP	15 HP	20 HP
Pump Type	Horizontal End Suction				
Power Requirement	480/60/3 V/HZ/PH				
	208-230/60/3 V/HZ/PH				
	230/60/1 V/HZ/PH			208/60/1 V/HZ/PH	
Inlet Pressure Requirement	Suction Lift (up to 3 ft. lift), or Boost Applications				
Outlet Pressure	Up to 130 psi (9.0 bar) <sup>(1)</sup>				
Outlet Flow	Up to 350 gpm (22.1 lps, 79.5 m <sup>3</sup> /h) <sup>(1)</sup>				
Concrete Slab Dimensions (min)	90" x 48" (229 cm x 122 cm)				
Platform Skid Dimensions (min)	78" x 36" (198 cm x 91 cm)				
Inlet / Discharge Size	4" standard - 2", 3" and 6" adapters are external accessories				
Cabinet Height (from slab)	52" (132 cm)				

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

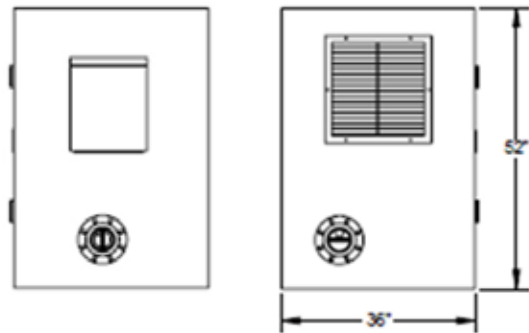
## Details



Profile View



Plan Views



Side Views