

Vertical Multi-Stage – 1 Pump – M Series

Medium Flow Pump Station

15 to 50 HP; Up to 155 psi (10.7 bar); Up to 500 gpm (31.5 lps, 114 m³/h)

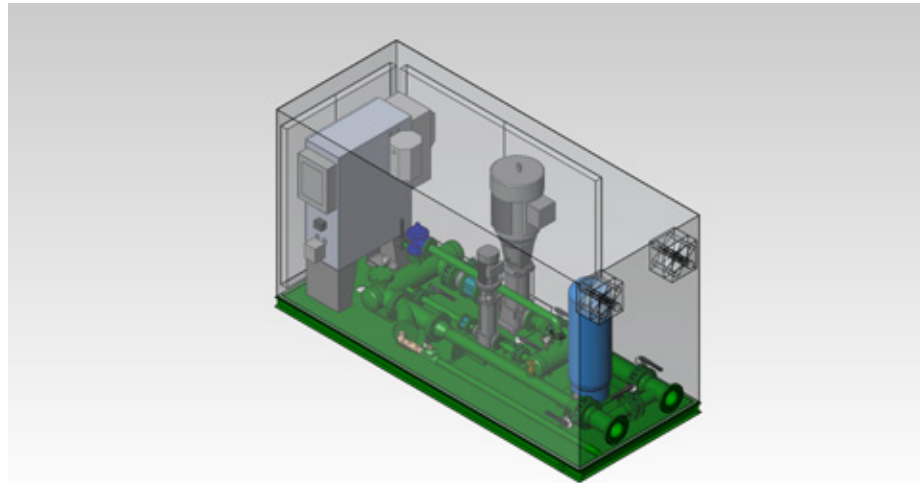
Rain Bird's single pump, Vertical Multi-Stage station in a medium enclosure is designed for medium-flow boost, flooded suction and suction lift applications, such as; parks, sports complexes, golf courses, turf farms and other agricultural projects. Its mid-sized design, durable multistage pump configuration, choice of options and enclosures make it an ideal choice for Turf irrigation applications with flows up to 500 gpm (31.5 lps, 114 m³/h).

At-A-Glance Description

- **High Performance Control Package** – Options include a cost-effective monochrome touch-panel display or high resolution color touch-panel display for improved user interfaced and remote monitoring via VNC (Virtual Network Computing)
- **Energy efficient** – Variable Frequency Drive (VFD) maintains constant pressure at varying flow demand.
- **Enhanced Serviceability** – Modern electrical design utilizing industrial breaker motor protection instead of fuses. Industrial circuit breakers are quickly reset and designed for an extended service life.
- **Inlet and discharge isolation valves** for easier mechanical serviceability.

Standard Features

- **Plumbing Configurations**
 - Inlet and Discharge Piping on same side of the enclosure (as shown)
 - Pump Bypass (Boost Applications Only)
- **Mechanical Features**
 - Inlet Butterfly Isolation Valve
 - Discharge Butterfly Isolation Valve
 - Pump Isolation Valve
 - Silent Check Valve
 - Hose Bib
- **Pressure / Flow**
 - Stainless Steel Pressure Transducer
 - Paddlewheel Flow Meter
- **Enclosures / External Connections**
 - Marine Grade Aluminum 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
- **Accessories**
 - **Intake Filters**
 - HDPE Suction Intake Piping
 - Foot Valve
 - Intake Screen
 - Self-Cleaning Intake Screen
 - **External Connections**
 - Custom Zee Pipes
- **Lake Level Control**
 - Lake Level Controls (Float or Analog)
 - Lake Level Shut Off (Float)
- **Optional Features**
 - **Pressure Maintenance Pump (PM Pump)**
 - **Filters**
 - Wye Strainer
 - G-Series Filter (<400 GPM)
 - **Mechanical Feature**
 - Pressure Relief Valve
 - Bladder Tank
 - **Pressure / Flow**
 - Magnetic Flow Meter

(continued on back)

Horizontal End Suction – 1 Pump – Medium Enclosure							
Motor Size	15 HP	20 HP	25 HP	30 HP	40 HP	50 HP	60 HP
Pump Type	Vertical Multi-Stage						
Power Requirement	480/60/3 V/HZ/PH						
(Other power configurations available upon request)	208-230/60/3 V/HZ/PH						
	380/50/3 V/HZ/PH						
	580/60/3 V/HZ/PH						
Inlet Pressure Requirement	Suction Lift or Boost Applications						
Outlet Pressure	Up to 155 psi (10.7 bar) ⁽¹⁾						
Outlet Flow	Up to 500 gpm (31.5 lps, 114 m ³ /h) ⁽¹⁾						
Concrete Slab Dimensions (min)	13' 6" x 6' 0" (411.5 cm x 183 cm)						
Platform Skid Dimensions (min)	12' 6" x 5' 0" (4.8 m x 152.5 cm)						
Inlet / Discharge Size	6" Standard - 4" and 8" adapters						

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

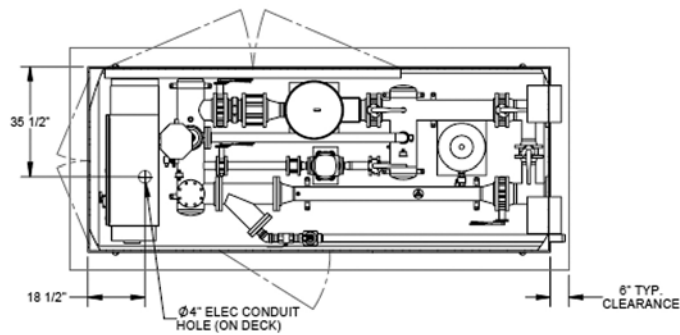
• Enclosures

- Polyester Powder Coated Aluminum Enclosure - Tan or Green (Custom colors available upon request)
- Environmental Package: includes heater and insulation/sound dampening
- A/C Unit for Electrical Cabinet
- Re-Prime Piping (Suction Lift Only)
- Power Zone: 3, 5, or 10 kVA (110-240 VAC)
- Less Enclosure (pump and deck only)

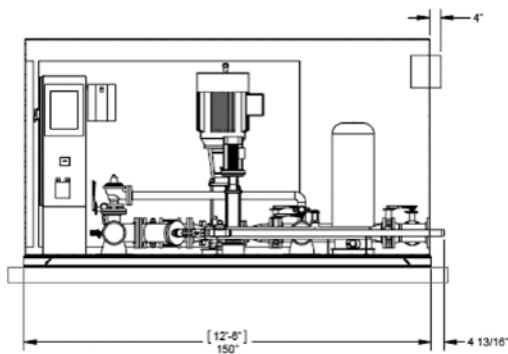
• Display

- Enhanced PLC controls package with 8.4" High Resolution, Color Touch Panel display with VNC communication ability and Multi Language Capability

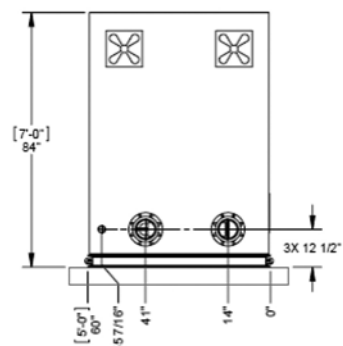
Details



Plan View



Profile View



Side View

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