



ST51/ST71

SUBMERSIBLE SUMP/EFFLUENT PUMP



FEATURES

- Corrosion resistant construction
- Cast iron body
- Thermoplastic impeller and cover
- Upper sleeve and lower heavy duty ball bearing construction.
- Motor is permanently lubricated for extended service life.
- Powered for continuous operation.
- All ratings are within the working limits of the motor.
- Power cord, 10' standard length, heavy duty 16/3 SJTW with 115 volt grounding plug and vertical switch.
- Complete unit is heavy duty, portable and compact.
- Mechanical seal is carbon, ceramic, BUNA and stainless steel.
- Stainless steel fasteners

APPLICATIONS

Specially designed for the following uses:

- Basement Draining
- Dewatering
- Water Transfer
- Effluent Transfer

SPECIFICATIONS

Pump - General:

- Discharge: 1½" NPT
- Temperature: 104°F (40°C) maximum, continuous when fully submerged.
- Solids handling: ½" maximum sphere.
- Automatic models include a float switch.
- Pumping range: see performance chart or curve.

ST51 Pump:

- Maximum capacity: 61 GPM
- Maximum head: 29' TDH

ST71 Pump:

- Maximum capacity: 70 GPM
- Maximum head: 37' TDH

AGENCY LISTINGS



Tested to UL 778 and CSA 22.2 108 Standards
By Canadian Standards Association
File #LR38549

PERFORMANCE RATINGS

ST51

| Total Head (feet of water) | GPM |
|-------------------------------|-----|
| 10 | 60 |
| 15 | 47 |
| 20 | 33 |
| 25 | 16 |

ST71

| Total Head (feet of water) | GPM |
|-------------------------------|-----|
| 10 | 69 |
| 15 | 60 |
| 20 | 50 |
| 25 | 39 |
| 30 | 27 |
| 35 | 12 |

MOTOR

General:

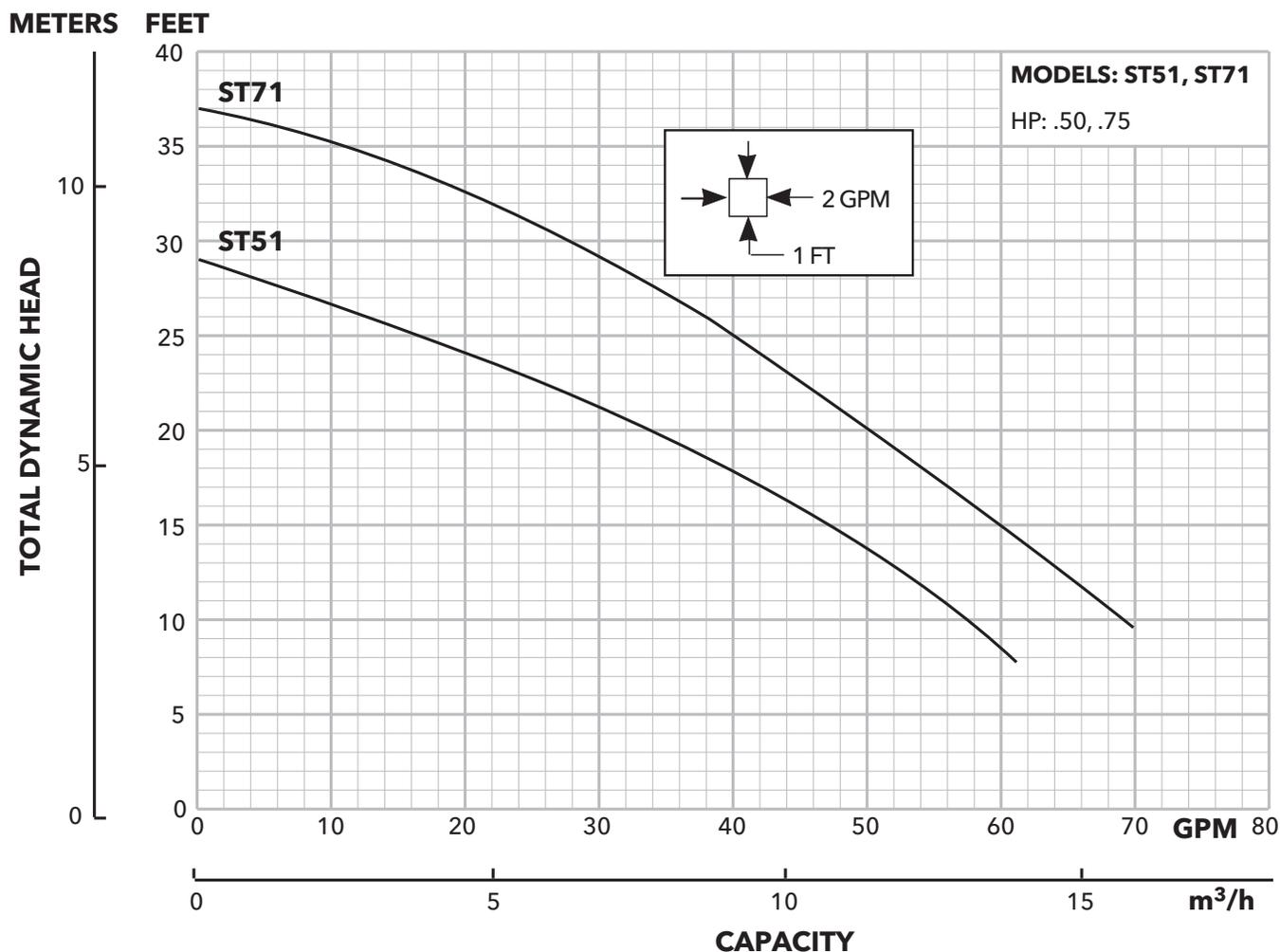
- Single phase
- 60 Hertz
- 115 volts
- Built-in thermal overload protection with automatic reset.
- Class B insulation
- Oil-filled design
- High strength carbon steel shaft

ST51 Motor:

- .50 HP, 3400 RPM
- 115 volts
- PSC design

ST71 Motor:

- .75 HP, 3400 RPM
- 115 volts
- PSC design

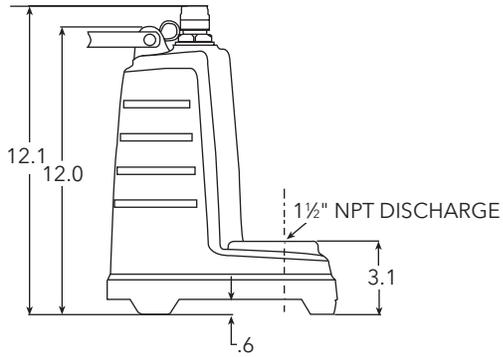
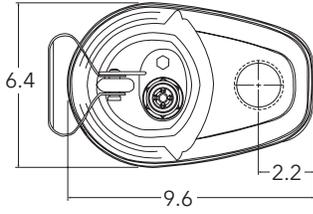


PUMP INFORMATION

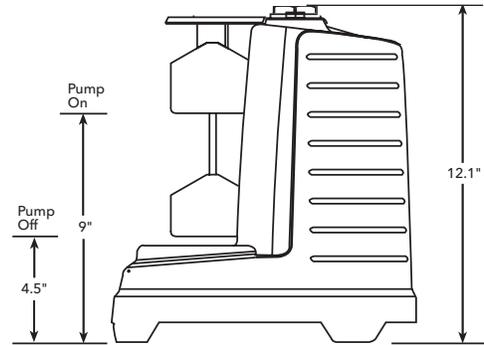
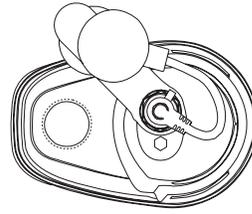
| Order No. | HP | Phase | Volt | Amp Draw | RPM | Float Switch Style | Cord Length | Discharge Connection | Minimum Basin Diameter | Maximum Solids Size | Shipping Weight lbs/kg |
|-----------|----|-------|------|----------|------|-----------------------|-------------|----------------------|------------------------|---------------------|------------------------|
| ST51AV | ½ | 1 | 115 | 7.5 | 3450 | Built-In Vertical | 10' | 1.5" | 18" | .5" | 31 |
| ST51PV | | | | | | Piggy-Back Vertical | | | | | |
| ST51P1 | | | | | | Piggy-Back Wide Angle | | | | | |
| ST51P1F | | | | | | Piggy-Back Wide Angle | | | | | |
| ST71AV | ¾ | 1 | 115 | 9.5 | 3450 | Built-In Vertical | 10' | 1.5" | 18" | .5" | 31 |
| ST71PV | | | | | | Piggy-Back Vertical | | | | | |
| ST71P1 | | | | | | Piggy-Back Wide Angle | | | | | |
| ST71P1F | | | | | | Piggy-Back Wide Angle | | | | | |

DIMENSIONS

(All dimensions are in inches. Do not use for construction purposes.)



VERTICAL FLOAT SWITCH



xylem
Let's Solve Water

Xylem Inc.
2881 East Bayard Street Ext., Suite A
Seneca Falls, NY 13148
Phone: (866) 325-4210
Fax: (888) 322-5877
www.gouldswatertechnology.com

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