

Arranged by Discharge Size then Solid Size

| Model | Discharge | | Solids Size | Impeller | | Mount Style | Floor Plate OD | Pump Opening Size | Shaft | | Max HP | |
|-------|-----------|------|-------------|----------|-----------|-------------|----------------|-------------------|-------|-------|----------|----------|
| | Size | Type | | Nom | Type | | | | Dia. | Max L | 1150 RPM | 1750 RPM |
| 1307 | 1 1/2 | NPT | 1/2 | 7 | Semi-Open | Cover | 20 | 18 | 1 | 142 | 3/4 | 2 |
| 1303 | 2 | NPT | 1/2 | 8 5/16 | Semi-Open | Cover | 20 | 18 | 1 | 142 | 1 1/2 | 5 |
| 1316 | 2 | ANSI | 1/2 | 7 | Semi-Open | 2613 | 14 x 24 | 12 x 22 | 1 | 90 | 3/4 | 2 |
| 1371 | 3 | NPT | 1 1/2 | 10 1/2 | Semi-Open | Cover | 20 | 18 | 1 1/4 | 152 | 5 | 15 |
| 1373 | 3 | NPT | 1 | 10 1/2 | Enclosed | Cover | 20 | 18 | 1 1/4 | 152 | 5 | 15 |
| 2103 | 3 | ANSI | 2 1/4 | 7 | Semi-Open | 2613 | 14 x 24 | 14 x 24 | 1 | 96 | 1 1/2 | 5 |
| 2108 | 3 | NPT | 2 1/4 | 7 1/2 | Semi-Open | Cover | 20 | 18 | 1 | 142 | 2 | 7 1/2 |
| 2219 | 3 | NPT | 2 1/2 | 9 | Semi-Open | Cover | 20 | 18 | 1 1/4 | 152 | -- | 10 |
| 1374 | 4 | ANSI | 1 | 10 1/2 | Enclosed | Cover | 20 | 18 | 1 1/4 | 152 | 5 | 15 |
| 2107 | 4 | ANSI | 2 1/4 | 7 | Semi-Open | 2613 | 14 x 24 | 12 x 22 | 1 | 96 | -- | 5 |
| 2109 | 4 | ANSI | 2 1/4 | 7 1/2 | Semi-Open | Cover | 20 | 18 | 1 | 142 | 2 | 7 1/2 |
| 2223 | 4 | ANSI | 3 | 9 | Enclosed | Cover | 20 | 18 | 1 1/4 | 152 | 5 | 15 |
| 2224 | 4 | ANSI | 2 1/2 | 9 | Semi-Open | Cover | 20 | 18 | 1 1/4 | 151 | 5 | 15 |
| 2228 | 4 | ANSI | 2 1/2 | 10 1/2 | Enclosed | Cover | 18 x 22 | 16 x 20 | 1 1/4 | 152 | 10 | 30 |

Cover - Pump floor plate rests on the wet well cover
 2613 - Pump requires the 2613 Quick Removal System

ANSI American National Standard Institute 125# flange connection. Provided with holes for bolts fastening an adjoining ANSI flange pipe connection.

Install a single pump (simplex) or two pumps (duplex) depending on the job application. Select a level control device from on the following types:

Level Controls

For cover mount or free-standing

NPT National Pipe Taper. Discharge is female NPT for threaded pipe.

Mechanical Lever

L Distance from the bottom of the pump to the underside of the pump floor plate.

Simplex Models 8201, 8202
 Duplex - Alternating Models 8211, 8212
 Duplex - Non-Alternating Model 8213

Pump opening size is the hole size in the wet well cover required for pump installation and removal.

Pressure Diaphragm Model 8220 series
Tethered Model 8230 series

The floor plate bolts the pump to the wet well cover.

Wet Well Capacities (Gallons)

| Diameter Length & Width | Gallons per foot of depth | |
|-------------------------|---------------------------|-------------|
| | Round Tank | Square Tank |
| 18" | 13 | 17 |
| 24" | 24 | 30 |
| 30" | 37 | 47 |
| 36" | 53 | 67 |
| 48" | 94 | 120 |
| 60" | 147 | 187 |
| 72" | 212 | 269 |

Minimum Flow

(To prevent solids from sttling out)

| Discharge Pipe Diameter (inches) | Minimum Flow (GPM) |
|----------------------------------|--------------------|
| 1 1/4 | 10 |
| 1 1/2 | 15 |
| 2 | 25 |
| 3 | 50 |
| 4 | 90 |
| 6 | 200 |

Use any of these models as clean water removal pumps. Install in collection pits, wet wells, rainwater sumps, etc. A suction strainer is included up to and including 1 1/2 inch solids-handling models.

Models with a 2 inch or larger solids-handling size can be used for unscreened wastewater, industrial waste, and surface drainage.

- Good wet well design - 10 starts per hour
- Minimum Pump run time - 1 1/2 minutes

Pump Dependable heavy-duty pumps for pumping wastewater and other unscreened liquids containing solids.

Designed for:

- Residential
- Factories
- Professional Office Buildings
- Schools and Hospitals
- Banks
- Restaurants
- Truck Loading Docks

Standard Construction Features

Thrust Bearing Permanently grease lubricated, ball type, over-sized for increased life and capacity. Sealed to protect from dirt and moisture.

Intermediate Bearing Housing Cast iron with bronze sleeve bearing, grease lubricated.

Lower Bearing Housing Cast iron with bronze sleeve bearing. Grease lubricated.
(if required)

Leg(s) flanged Fit, Steel tube, coated.

Shaft Cold-rolled high carbon steel Polished and ground. Sized to provide maximum safety and strength when pumping raw unscreened wastewater.

Impeller Cast Iron. Dynamically balanced. Trimmed to suit job conditions.

Case Heavy-duty, close grain, high-density cast iron.

Strainer Provided on all 1300 series models cast iron or stainless steel.

Discharge Pipe Galvanized steel - schedule 40.

Motor Vertical, solid shaft with NEMA-C mounting flange. The motor is connected to the pump with a flexible coupling.

Totally enclosed 60 Hz motors are standard
1150 RPM - 1/2 to 10 horsepower
1750 RPM - 3/4 to 30 horsepower

Single-phase motors are capacitor start induction run.

Single-phase voltages are 60 Hz, 115 or 208-230 volt with automatic reset thermal and overload protection.

Three-phase voltages are 60 Hz, 208-230 or 460 volt.

Single and Three-phase 50 Hz models are available.

Options

Sleeve Bearings

- **Rubber Cutless** - For abrasives. Allows abrasives to pass through the bearing sleeve without scoring the shaft.
- **Graphite** - For chemical and high temperature applications.

Impeller

- **Bronze**
- **316 Stainless Steel**

Below Floor Discharge Tee Provided when the pump discharge connection is below the cover.

Water Flush Connection Requires a rubber cutless lower bearing and stainless steel shaft. A separate fresh water flush connection is provided, terminating at the pump floor plate. A 115-volt, 1/2 inch solenoid valve energizes the flushing system when the pump is operating.

Two Suction Construction For deep wet wells or where there is limited headroom for installation. Pump shaft is rigidly coupled and locked into position.

Leg and Discharge Pipe 304 or 316 Stainless Steel.

Case 316 Stainless Steel.