

### Floor Mount Submersible Pumps (NPT & Flange) - Arranged by Discharge Size then Solid Size

Model	Discharge		Solids Size	Impeller		Motor Type	Max HP		
	Size	Type		Nom.	Type		1150 RPM	1750 RPM	3500 RPM
1618	1 1/4	NPT	1/2	6	Semi-Open	9709	--	3/4	--
1619	1 1/2	NPT	1/2	6	Semi-Open	9709	--	3/4	--
1623	2	NPT	1/4	7	Enclosed	9709	--	--	5
1601	2	NPT	1/2	7	Semi-Open	9709	3/4	2	--
1621	2	NPT	3/4	5	Enclosed	9709	--	--	5
2549	2	NPT	2	7	Semi-Open	9709	--	3	--
2558	2	NPT	2	5	Semi-Open	9709	--	--	5
1606	2 1/2	Flange	1/2	9	Semi-Open	9709	2	7 1/2	--
1625	3	NPT	1/2	7	Enclosed	9709	--	5	--
1620	3	Flange	1	10	Enclosed	9727	5	15	--
1603	3	Flange	1 1/4	10	Semi-Open	9727	5	15	--
2563	3	NPT	2	5	Semi-Open	9709	--	--	5
2527	3	Flange	2 1/4	7	Semi-Open	9709	1 1/2	5	--
2545	3	NPT	2 1/4	7	Semi-Open	9709	1 1/2	5	--
2546	3	NPT	2 1/2	7 1/2	Semi-Open	9709	1 1/2	5	--
2520	3	Flange	2 1/2	9	Semi-Open	9727	--	10	--
1629	4	NPT	1	10	Enclosed	9727	5	15	--
2528	4	Flange	2 1/2	7 1/2	Semi-Open	9709	1 1/2	5	--
2547	4	NPT	2 1/2	7 1/2	Semi-Open	9709	1 1/2	5	--
2548	4	NPT	2 1/2	9	Semi-Open	9727	--	10	--
2531	4	Flange	3	7	Semi-Open	9709	1 1/2	5	--
2519F	4	Flange	3	9	Enclosed	9727	5	15	--

### 2613 Removal System Pumps (ANSI) - Arranged by Discharge Size then Solid Size

Model	Discharge		Solids Size	Impeller		Motor Type	Max HP		
	Size	Type		Nom.	Type		1150 RPM	1750 RPM	3500 RPM
1624	2	ANSI	1/4	7	Enclosed	9709	--	--	5
1607	2	ANSI	1/2	7	Semi-Open	9709	3/4	2	--
1622	2	ANSI	3/4	5	Enclosed	9709	--	--	5
2554	2	ANSI	2	7	Semi-Open	9709	--	3	--
2557	2	ANSI	2	5	Semi-Open	9709	--	--	5
1632	3	ANSI	1	10	Enclosed	9727	5	15	--
1633	3	ANSI	1 1/4	10	Semi-Open	9727	5	15	--
1626	3	ANSI	1/2	7	Enclosed	9709	--	5	--
2562	3	ANSI	2	5	Semi-Open	9709	--	--	5
2515	3	ANSI	2 1/4	7	Semi-Open	9709	1 1/2	5	--
2521	3	ANSI	2 1/2	7	Semi-Open	9709	1 1/2	5	--
2564	3	ANSI	2 1/2	9	Semi-Open	9727	--	10	--
▶ 1634	4	ANSI	1 1/4		9727	5	15	--	
2517	4	ANSI	2 1/4	7	Semi-Open	9709	1 1/2	5	--
2523	4	ANSI	2 1/2	7	Semi-Open	9709	1 1/2	5	--
2525	4	ANSI	2 1/2	13	Enclosed	9706	15	40	--
2535	4	ANSI	3	7	Semi-Open	9709	1 1/2	5	--
2519	4	ANSI	3	9	Enclosed	9727	5	15	--
2553	4	ANSI	3	13	Enclosed	9706	20	40	--
2529	4	ANSI	4	13	Enclosed	9706	25	--	--
▶ 2565	4	ANSI	2 1/2		9727	--	10	--	
2522	6	ANSI	2 1/2	13	Enclosed	9706	15	40	--
2524	6	ANSI	3	8	Enclosed	9727	5	15	--
2532	6	ANSI	3	13	Enclosed	9706	20	40	--
2530	6	ANSI	4	13	Enclosed	9706	25	--	--
2555	6	ANSI	2 1/2	13	Enclosed	9706	--	50	--
2556	6	ANSI	3	13	Enclosed	9706	--	50	--

▶ = New Models

For motor amp ratings, refer to EP-5011

## Floor Mount and 2613 Removal System

**Flange** Weil Oval Compression Flange - Does not require threads on O.D. of pipe. Consists of a rubber compression gasket and a companion flange that fits the O.D. of standard pipe. Tightening the flange bolts clamps the rubber gasket on the O.D. of the pipe. Provides adjustability for pump-to-pipe connection.

**ANSI** American National Standard Institute 125# flange connection. The 2613 Removal System sliding bracket bolts to the ANSI flange.

**NPT** National Pipe Taper. Discharge has a threaded connection for threaded pipe or fittings.

**Pump** Use to pump wastewater, unscreened solids, water containing silt and a wide range of pollutants. Suitable applications include truck loading docks, parking lots, storm water pumping from underpass drainage and areas flooded from overflowing rivers, streams, below ground vaults, wastewater pits, etc.

**Case** Heavy-duty, close grain, high-density cast iron. Tripod support legs on floor models.

**Discharge** 1 1/4 to 6 inches.

**Solid Size** 1/4 to 4 inches.

**Impeller** Semi-Open or enclosed type, statically and dynamically balanced for a quiet, efficient operation. Cast iron impellers are standard on all models. Bronze is available as an option on most models. Stainless steel is available as an option on selected models.

**Strainer** Stainless steel or cast iron.

**Hardware** Stainless steel except for discharge flange bolts.

### Floor Mount Pump

Floor mount pump has a vertical discharge. Connections are available as flanged or NPT. All models have three cast feet for support.

### Removal System Pump - 2613

Pump can be removed from the pit without disconnecting the discharge piping. Removal System Pump has a standard ANSI discharge flange. The ANSI flange bolts to the sliding bracket of the 2613 Removal System. The 2613 components are not included with the pump. Refer to 2613 product bulletin.

### Seal Options

**Tandem** Two seals. The upper seal operates inside the seal chamber. The upper seal faces are carbon against ceramic. The lower seal faces are silicon carbide against silicon carbide.

The 9706 motor is constructed with carbon/ceramic on both the upper and lower seals and is available in tandem style only.

**Double Opposed** Two seals. Both seals are in a constant oil bath. The upper seal is carbon against ceramic. The lower seal face is silicon carbide against silicon carbide. Not for pump heads exceeding 80 feet TDH. Not available on 9706 motors.

**Motor** NEMA 6, submersible air-filled, hermetically sealed, Class F insulation.  
1150 RPM - 1/2 to 30 horsepower  
1750 RPM - 1/2 to 50 horsepower  
3500 RPM - 1 1/2 to 6 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, to 3 HP max.

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

*Single and Three-phase 50 Hz models are available.*

### Temperature Ratings

180 degrees F - High Temp Cyclical Duty  
160 degrees F - Normal Cyclical Duty  
140 degrees F - Continuous Cyclical Duty  
120 degrees F - Continuous Extended Duty

**Motor Shell** Machined from close grain, high-density cast iron with special integral cooling fins to permit trouble free operation while running in a non-submerged condition.

**Seal Chamber** Heavy cast iron, filled with clean biodegradable oil for continuous mechanical seal lubrication.

**End Bell** Cast Iron, air-filled, hermetically sealed, NEMA-6 design.

Hermetic glass seal that separates the motor cavity from the power cord entrance. A power cord leak due to a cut and/or other damage will not permit water to enter the motor.

**Elastomers** Buna-N O-rings for positive sealing. Viton O-rings are available as an option.

**Power Cable** 25 ft standard. Cable type is neoprene jacketed.


**Bearings** Permanently lubricated single-row, double sealed. Oversized to handle radial and axial loads.

**Shaft** Series 300 stainless steel on 9709 and 9727 motor models. Series 416 stainless steel on 9706 motor models.

### Motor Options

**Moisture Sensor** Designed to detect water in the motor chamber.

**Temperature Limiter** Located in stator windings to stop motor when internal temperature exceeds insulating rating. Automatically resets when motor cools.

**Explosion Proof Motors** Most motor sizes are available with  Listed Class 1, Group C and D rating at 1150, 1750, and 3500 RPM.

Motor Number		Shaft
Double Tandem	Double Opposed	Stainless Steel Grade
9709	9710	Series 300
9727	9728	Series 300
9706	- -	416