

# PROSSER<sup>®</sup>

## Prosser Standard-Line<sup>®</sup> Submersible Dewatering Pumps

Heads to 210'  
Flows to 1400GPM  
¾ - 50 HP  
Discharge Sizes 2" - 6"  
Slim Line Design

### Prosser<sup>®</sup> Versatility

If you need to remove unwanted water, a Prosser portable electric submersible pump is your solution. Prosser Standard-Line<sup>®</sup> pumps offer high head or high volume performance and are available in over 130 outstanding models. You can also include optional features such as watertight control enclosures, liquid level controls, adapter kits, and more. This wide range of choices enables you to select the exact pump you need to fit your application.



### Unlimited Applications

Wherever unwanted water is found, Prosser Standard-Line<sup>®</sup> submersible pumps are the most cost-effective choice for efficient, reliable dewatering. Prosser pumps have proven their value with dependable performance in a variety of challenging applications including:

- Construction
- Industrial
- Marine
- Utilities/Telecommunication
- Municipal and Government



# Products

Selection Chart (60Hz):								
Discharge Size	HP	Head in Feet	Flow (U.S. GPM)	Max. Pump Diameter	Length	Weight (Pump Only)	Suction Connection	Discharge Connection
2"	¾ (a)	5	98	5½" (140 mm)	15.74" (400 mm)	23 lbs (10.4 Kgs)	1½" 9 NHT	2" NPT (F)
		15	80					
		25	57					
	1 (a)	35	27	5½" (140 mm)	15.74" (400 mm)	23 lbs (10.4 Kgs)	1½" 9 NHT	2" NPT (F)
		40	20					
	2 (b)	25	120	7" (188 mm)	18" (457 mm)	50 lbs (23 Kgs)	3" Vict (M)	2" & 3" NPT (F)
2½ HH (c)	42	80	7" (188 mm)	18" (457 mm)	50 lbs (23 Kgs)	3" Vict (M)	2" & 3" NPT (F)	
	55	50						
68	20							
2½ HV (c)	30	140	7" (188 mm)	18" (457 mm)	50 lbs (23 Kgs)	3" Vict (M)	2" & 3" NPT (F)	
	50	100						
	65	75						
78	30							
5 HH (c)	10	290	7" (188 mm)	18" (457 mm)	50 lbs (23 Kgs)	3" Vict (M)	2" & 3" NPT (F)	
	20	230						
	30	160						
45	50							
3"	2¾ (b)	65	150	7" (188 mm)	24" (609 mm)	65 lbs (30 Kgs)	3" Vict (M)	2" & 3" NPT (F)
		105	100					
		125	75					
145	50							
3"	3½ (b)	10	290	7" (188 mm)	18" (457 mm)	50 lbs (23 Kgs)	3" Vict (M)	2" & 3" NPT (F)
		20	230					
		30	160					
45	50							
5 HV (c)	5 HV (c)	20	250	7" (188 mm)	22" (559 mm)	65 lbs (30 Kgs)	3" Vict (M)	3" NPT (F)
		40	175					
		60	100					
70	50							
4"	10 HV (c)	30	300	7" (188 mm)	22" (559 mm)	65 lbs (30 Kgs)	3" Vict (M)	3" NPT (F)
		55	200					
		70	125					
85	50							
4"	10 HH (c)	20	600	10½" (267 mm)	29" (737 mm)	150 lbs (68 Kgs)	5" Vict (M)	4" NPT (F)
		60	400					
	80	300						
	100	100						
15 HV (c)	15 HV (c)	20	450	10½" (267 mm)	29" (737 mm)	150 lbs (68 Kgs)	5" Vict (M)	4" NPT (F)
		65	300					
102	200							
140	100							
6"	25 HV (c)	30	800	10½" (267 mm)	41" (787 mm)	155 lbs (70 Kgs)	5" Vict (M)	4" NPT (F)
		50	600					
	87	400						
	120	200						
25 HH (c)	25 HH (c)	20	550	10½" (267 mm)	41" (787 mm)	155 lbs (70 Kgs)	5" Vict (M)	4" NPT (F)
		60	450					
120	300							
180	100							
6"	50 HV (c)	50	1000	12¾" (327 mm)	37" (940 mm)	275 lbs (125 Kgs)	6" Vict (M)	6" NPT (F)
		90	750					
	120	500						
	150	200						
50 HH (c)	50 HH (c)	50	800	12¾" (327 mm)	37" (940 mm)	275 lbs (125 Kgs)	6" Vict (M)	6" NPT (F)
		105	600					
160	400							
200	200							
50 HV (c)	50 HV (c)	50	1400	12¾" (327 mm)	37" (940 mm)	343 lbs (156 Kgs)	6" Vict (M)	6" NPT (F)
		100	1100					
140	750							
160	500							
50 HH (c)	50 HH (c)	80	1000	12¾" (327 mm)	37" (940 mm)	343 lbs (156 Kgs)	6" Vict (M)	6" NPT (F)
		150	600					
		180	450					
210	250							

HV = High Volume      HH = High Head  
Available in (a) 1 & 3 phase, (b) 1 phase, or (c) 3 phase

## Performance You Can Count On

### Benefits:

- Pumps require no priming, suction hose, or foot valve. Just submerge them and they are ready to go.
- Operate in any position.
- Bearings require no outside lubrication.
- Unique in-line design ensures a cool-running motor by transferring motor heat directly to the pumped fluid.
- Can run dry for short periods without damage.
- Abrasion resistant impellers and silicon carbide outboard shaft seals also help ensure trouble-free performance.

## Greater Performance Pound for Pound

Prosser is an industry leader in hydraulic efficiency. Prosser pumps deliver exceptionally high GPM for their size and horsepower. That means sites are dewatered faster, reducing labor costs. Prosser pumps are lightweight for easier portability and in many cases can be moved by one individual. These durable pumps provide reliable performance year after year.

## Prosser Pump Control and Accessories

### Pump Control Panels

- Equipped with a special circuit breaker that provides protection against short circuit, overload, and locked rotor by disconnecting power to the pump if any of these conditions occur. The circuit breaker also serves as a manual across-the-line motor control.
- Includes a reset button to start pumping once conditions have been corrected.
- Offered with standard length cable (other lengths available).
- Optional rainproof (NEMA 3R) or watertight (NEMA 4) corrosion-resistant enclosures available.

### Galvanic Protection Kit

- Protects pump against corrosion caused by electrolytic action.

### Adjustable Pump Stand and Extended Strainer

- Designed to raise the pump's suction screen above sludge in a manhole or pit.
- Removes water with a top-down pumping action to a level of 6" - 8" from the bottom.
- Easily assembled and disassembled.
- Fits all Prosser Standard-Line® pumps to 5 HP.

### Liquid Level Controls



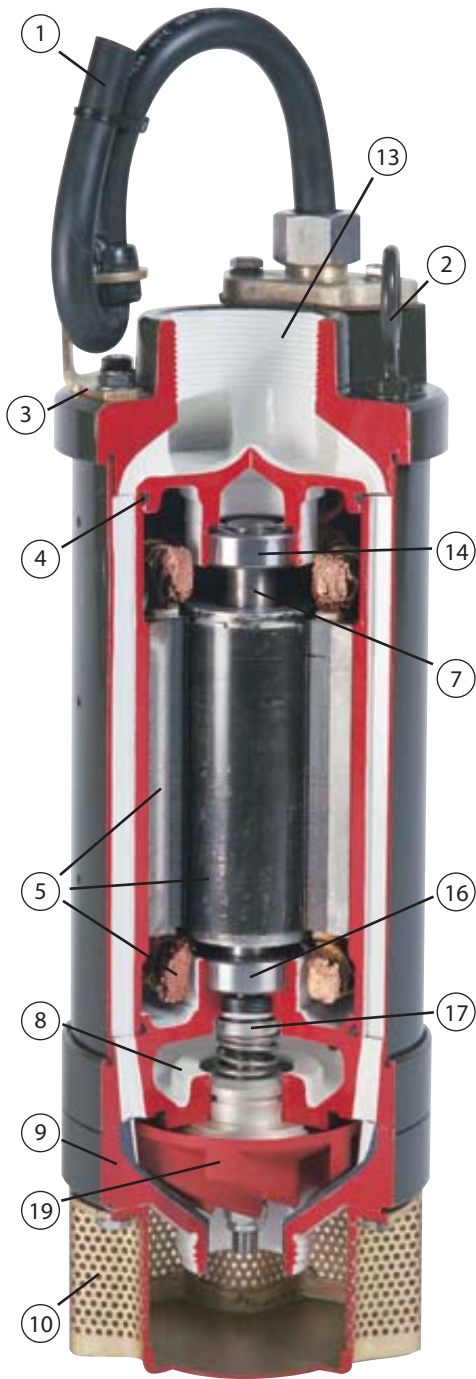
## Prosser Pumps for Specialized Applications

Prosser also offers portable submersible pumps designed to meet the exact requirements of special pumping applications. Prosser pumps were first developed for the U.S. Navy in 1942 for marine damage control. Hymergible® pumps are designed for use with hydraulic systems in locations where electrical connections are unavailable or hazardous. Prosser portable submersible pumps can provide the pumping diversity you need for any application.

### Prosser Hymergible Portable Hydraulically-Driven Submersibles

- Flows to 1340 GPM
- Heads to 320 Feet

# PROSSER®



1. Type SO or Type G power cable with cable strain relief on all pumps for maximum cable and connection protection.
2. Eyebolt on  $\frac{3}{4}$  and 1 HP (Two lifting lugs on center line or larger units).
3. Hardware is stainless steel ( $\frac{3}{4}$  and 1 HP only) or zinc-plated to resist erosion, corrosion and wear.
4. Buna "N" O-ring static seals.
5. Motor construction with silicon steel laminations, die-cast aluminum rotors and copper magnet wire. Also utilizes a Class B ( $\frac{3}{4}$  and 1 HP) and Class F (2 - 50 HP) insulation system.
6. Anti-corrosion treated wetted surfaces.
7. Stainless steel shaft resists corrosion and water.
8. Oil chamber for seal lubrication.
9. Suction case made of 356T6 Aluminum, anti-corrosion coated, plus wear-resistant polyurethane liner.
10. Rugged suction strainer is zinc plated (stainless steel).
11. Water-tight connection box (not shown).
12. Pressure test plug to check integrity of pump seals (not shown).
13. 356T6 Aluminum, anti-corrosion coated discharge head.
14. Permanently lubricated radial bearings.
15. Special abrasion resistant wear plate on 2 - 5 HP models protects the diffuser from abrasive material (not shown).
16. Permanently lubricated thrust bearings.
17. Inboard ceramic and carbon shaft seal with Buna "N" elastomers.
18. Outboard Prosser-designed silicon carbide shaft seal with Viton® elastomers for durability and wear resistance (not shown).
19. Polyurethane impellers with stainless steel option on  $\frac{3}{4}$  - 1 HP units. Abrasive-resistant impellers of hardened 440C stainless steel (58C Rockwell) on 2 HP and larger models.

## Trouble-Free operation enhances productivity

### Design for Use in hard-to-reach places

The slim-line design of Prosser pumps lets them fit where other pumps can't. This is especially useful and cost-effective in well-type dewatering. Prosser's small size allows you to use smaller diameter well casings and screens. For example, Prosser 2" or 3" discharge pumps can be used in 8" casings, while other comparably rated pumps require 16" or larger casings.

### Series Operation Increases Productivity

The in-line suction and discharge of the Prosser Standard-Line pumps permits pumps to be connected in series providing double the discharge pressure. Series operation enables you to use the same pumps on different jobs with varying head requirements or with smaller diameter well casings. While a single pump may be sufficient for one job, simply connecting pumps in a series permits two small pumps to do the work of one large pump.

### Built Rugged for Dependability

Prosser pumps are designed with reliability and simplicity in mind. All Prosser Standard-Line® pumps are made in the U.S.A. They are CSA approved and Contractors Pump Bureau (CPB) rated. Each pump passes rigorous performance tests before it is shipped. All vital parts, such as shaft seals and suction case liners, are subjected to torture tests that can ensure they can stand up to the most challenging application. Every pump is shipped with complete operation and maintenance instruction to ensure dependable performance. Some Prosser pumps have been in use for over 40 years. If a problem should occur, all of our pumps are field repairable with standard tools. They can also be serviced by the numerous Prosser distributors and authorized service centers across the U.S.

Take a good look at Prosser's Standard-Line® portable electric submersible pumps. No matter how you evaluate us - cost, size, weight, construction, performance or ease of maintenance - you'll discover that Prosser consistently outshines its competitors.

*Since 1942, people who require quality and performance have specified Prosser® Pumps.*

**CRANE**

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