



# 4" submersible pumps – 5 and 7 gpm TrimLine™



*Precision-engineered, corrosion-resistant Signature 2000® Composite Pumps in 5 and 7 GPM deliver efficient, dependable performance even in rough, aggressive water. Heads to over 850 feet and capacities to 10 GPM. Built to deliver long-term, trouble-free service.*

*These pumps feature the SignaSeal™ staging system. Floating stack design resists sand and reduces sand locking.*

*The 5 and 7 GPM models are the smaller 3-3/4" diameter TrimLine™.*

### APPLICATIONS

- **Water systems...** for residential, industrial, commercial, multiple housing and farm use.

### SPECIFICATIONS

- Shell** – Stainless steel
- Discharge** – Fiberglass reinforced thermoplastic
- Discharge Bearing** – Nylatron®
- Intermediate Bearing** – (On larger units) polycarbonate, nitrile rubber and stainless steel
- Impellers** – Acetal
- Diffusers** – Polycarbonate
- Suction Caps** – Polycarbonate with stainless steel insert
- Thrust Pads** – Proprietary spec.
- Shaft and Coupling** – Stainless steel
- Intake** – Fiberglass reinforced thermoplastic
- Intake Screen** – Polypropylene
- Cable Guard** – Stainless steel
- Agency Listings** – CSA
- Check Valve** – Acetal



### FEATURES

**Staging System** – Our proven SignaSeal™ staging system incorporates a harder-than-sand ceramic wear surface that when incorporated with our floating impeller design, greatly reduces problems with abrasives, sand lock-up and running dry.

**Discharge** – Corrosion-resistant fiberglass reinforced thermoplastic for durability in aggressive water. Large octagon wrench area for ease of installation.

**Discharge Bearing** – Exclusive self-lubricating Nylatron® bearing resists wear from sand.

**Intake** – Corrosion-resistant fiberglass reinforced thermoplastic for durability in aggressive water.

**Shaft** – Positive drive from 7/16" hexagonal heavy-duty 300 grade stainless steel.

**Coupling** – Stainless steel press fit to pump shaft. Couples to all standard NEMA motors.

**Shell** – Heavy-walled corrosion-resistant stainless steel. Threaded for easy servicing.

**Hardware** – All screws, washers and nuts are corrosion-resistant 300 grade stainless steel.

**Check Valve** – Durable internal poppet type check valve.

**Cable Guard** – Corrosion-resistant stainless steel guard protects motor leads. Tapered ends prevent pump from catching on well.

**Intake Screen** – Corrosion-proof polypropylene.

**PENTEK® XE Motor** – 2 and 3 wire NEMA standard all stainless construction water filled motors.

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In order to provide the best products possible, specifications are subject to change.



# 4" submersible pumps – 5 and 7 gpm TrimLine™

ORDERING INFORMATION																
GPM	Motor Type	HP	Stgs.	PH	Volt	Assembled Pump			Pump End			Motor		Control Box		
						Catalog Number	Length Inches*	Weight Pounds*	Catalog Number	Length Inches*	Weight Pounds*	Catalog Number	Weight Pounds*	Catalog Number	Weight Pounds*	
5	2 Wire	1/2	13	1	115	S5P4JP05121	27-1/2	29	L5P4CJL	18	12	P42B0005A1	19			
		1/2	13	1	230	S5P4JP05221	27-1/2	29	L5P4CJL	18	12	P42B0005A2	19			
		3/4	18	1	230	S5P4JP07221	32-3/4	34	L5P4DJL	22	15	P42B0007A2	23			
		1	22	1	230	S5P4JP10221	37	38	L5P4EJL	25-1/4	17	P42B0010A2	25			
		1-1/2	30	1	230	S5P4JP15221	47	45	L5P4FJL	32	21	P42B0015A2	29			
	3 Wire	1/2	13	1	115	S5P4JP05131	27-1/2	29	L5P4CJL	18	12	P43B0005A1	19	SMC-IR0511	4	
		1/2	13	1	230	S5P4JP05231	27-1/2	29	L5P4CJL	18	12	P43B0005A2	18	SMC-CR0521	4	
		3/4	18	1	230	S5P4JP07231	32-3/4	24	L5P4DJL	22	15	P43B0007A2	21	SMC-CR0721	4	
		1	22	1	230	S5P4JP10231	37	38	L5P4EJL	25-1/4	17	P43B0010A2	23	SMC-CR1021	4	
		1-1/2	30	1	230	S5P4JP15231	45-1/2	45	L5P4FJL	32	21	P43B0015A2	27	SMC-CR1521	7	
		1-1/2	30	3	230				L5P4FJL	32	21	P43B0015A3	23			
		1-1/2	30	3	460				L5P4FJL	32	21					
	7	2 Wire	1/2	10	1	115	S5P4JP05121	25-1/2	27	L7P4CJL	16	12	P42B0005A1	19		
			1/2	10	1	230	S5P4JP05221	25-1/2	27	L7P4CJL	16	12	P42B0005A2	19		
3/4			13	1	230	S5P4JP07221	29	32	L7P4DJL	18-1/2	15	P42B0007A2	23			
1			17	1	230	S5P4JP10221	33-3/4	37	L7P4EJL	22	17	P42B0010A2	25			
1-1/2			22	1	230	S5P4JP15221	42-1/2	47	L7P4FJL	27-1/4	21	P42B0015A2	29			
3 Wire		1/2	10	1	115	S5P4JP05131	25-1/2	27	L7P4CJL	16	12	P43B0005A1	19	SMC-IR0511	4	
		1/2	10	1	230	S5P4JP05231	25-1/2	27	L7P4CJL	16	12	P43B0005A2	18	SMC-CR0521	4	
		3/4	13	1	230	S5P4JP07231	29	32	L7P4DJL	18-1/2	15	P43B0007A2	21	SMC-CR0721	4	
		1	17	1	230	S5P4JP10231	33-3/4	37	L7P4EJL	22	17	P43B0010A2	23	SMC-CR1021	4	
		1-1/2	22	1	230	S5P4JP15231	41	44	L7P4FJL	27-1/4	21	P43B0015A2	27	SMC-CR1521	7	
		1-1/2	22	3	230				L7P4FJL	27-1/4	21	P43B0015A3	23			
		1-1/2	22	3	460				L7P4FJL	27-1/4	21					

\*Length and Weight are approximate.  
 TrimLine™ version maximum outside diameter 3-3/4". Standard version maximum outside diameter 3-7/8".  
**NOTE:** Motor, Control Box or Magnetic Starter must be ordered separately.  
 Discharge NPT is 1-1/4".



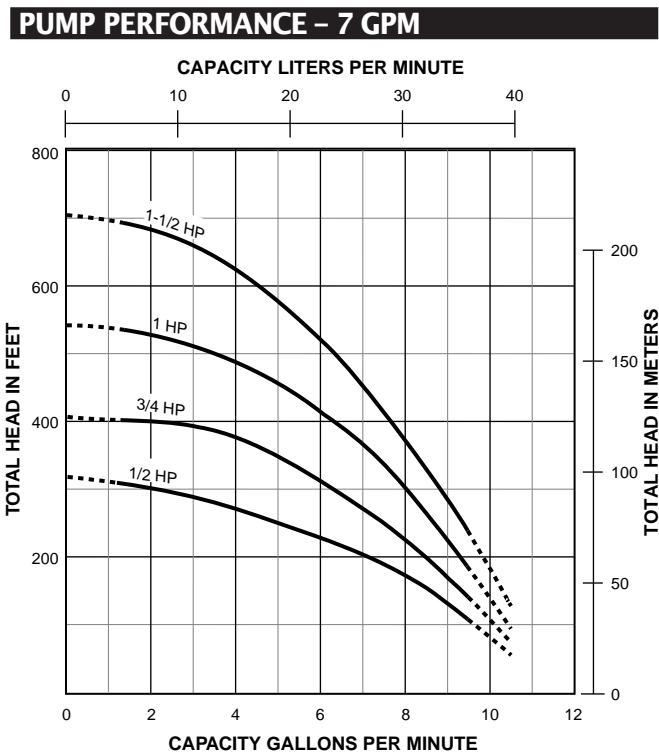
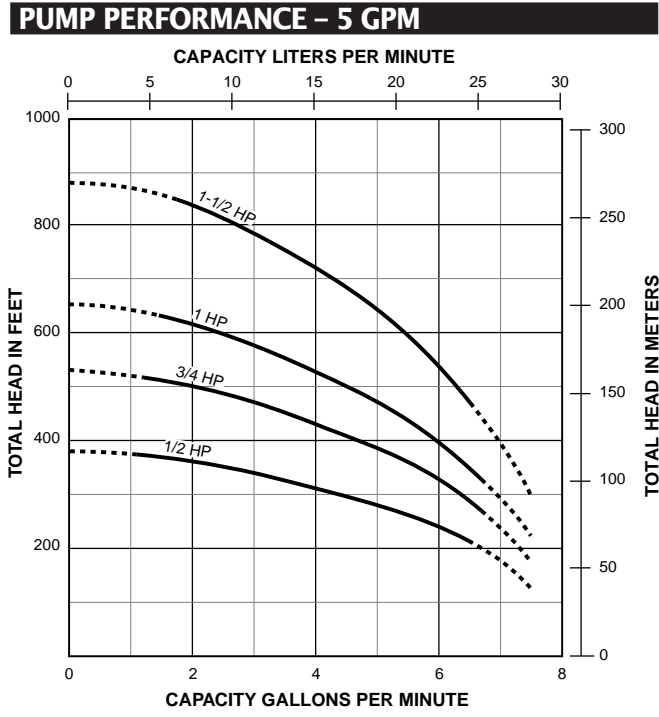
# 4" submersible pumps – 5 and 7 gpm TrimLine™

### OUTLINE DIMENSIONS

Discharge	
5 GPM	1-1/4" NPT
7 GPM	1-1/4" NPT

For dimensions, refer to Ordering Information table.

Dimensions (in inches) are for estimating purposes only.



Tested and rated in accordance with Water Systems Council standards.

**NOTE:** Pumps installed with a PRO-Source™ tank require a 100 PSI relief valve. Pumps installed with a conventional tank require a 75 PSI relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.



# 4" submersible pumps – 5 and 7 gpm TrimLine™

5 Gallons per Minute		PUMP PERFORMANCE ( <i>Capacity in Gallons Per Minute</i> )																									Shut-Off Head													
HP	PSI	Pumping Depth in Feet																								Feet	PSI													
		20	40	60	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950			1000	1050											
1/2	0	-	-	-	-	7.4	7.2	7.0	6.7	5.7	4.3	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	380	164							
	20	-	-	-	7.4	7.3	7.0	6.7	6.3	5.7	4.5	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	30	-	-	7.4	7.2	7.1	6.8	6.3	5.8	5.2	3.6	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	40	-	7.4	7.2	7.0	6.8	6.4	5.8	5.3	4.6	2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	50	7.3	7.2	7.0	6.7	6.4	5.9	5.3	4.7	3.7	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	60	7.2	6.9	6.7	6.3	5.9	5.3	4.7	3.8	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
3/4	0	-	-	-	-	-	-	7.4	7.3	6.9	6.4	5.6	4.7	3.4	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	20	-	-	-	-	7.4	7.3	7.1	6.9	6.5	5.7	4.8	3.5	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	30	-	-	-	-	7.4	7.3	7.1	7.0	6.7	6.1	5.3	4.2	3.0	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	40	-	-	-	7.4	7.3	7.2	7.0	6.8	6.5	5.7	4.9	3.6	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	50	-	-	7.4	7.3	7.2	7.0	6.8	6.5	6.2	5.4	4.3	3.1	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	60	7.5	7.4	7.3	7.1	7.0	6.8	6.5	6.2	5.8	4.9	3.6	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1	0	-	-	-	-	-	-	-	7.5	7.2	7.0	6.5	6.0	5.3	4.5	3.4	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	20	-	-	-	-	-	7.5	7.4	7.2	7.0	6.6	6.0	5.3	4.5	3.5	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	30	-	-	-	-	-	7.5	7.4	7.3	7.2	6.9	6.3	5.8	5.1	4.1	3.1	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	40	-	-	-	-	7.5	7.4	7.3	7.2	7.0	6.7	6.1	5.4	4.6	3.6	2.6	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	50	-	-	-	7.5	7.4	7.3	7.2	7.0	6.9	6.4	5.8	5.1	4.1	3.1	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	60	-	-	7.5	7.4	7.3	7.2	7.0	6.9	6.7	6.1	5.5	4.7	3.6	2.7	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1-1/2	0	-	-	-	-	-	-	-	-	7.4	7.2	7.0	6.7	6.4	5.9	5.5	4.9	4.1	3.4	2.7	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	20	-	-	-	-	-	-	-	-	7.4	7.2	7.0	6.8	6.4	6.0	5.5	5.0	4.2	3.5	2.8	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	30	-	-	-	-	-	-	-	7.5	7.3	7.1	6.9	6.6	6.2	5.7	5.3	4.6	3.8	3.2	2.4	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	40	-	-	-	-	-	-	7.5	7.4	7.2	7.1	6.8	6.4	6.0	5.6	5.0	4.3	3.6	2.8	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	50	-	-	-	-	-	7.5	7.4	7.3	7.1	6.9	6.6	6.2	5.8	5.3	4.7	3.9	3.2	2.5	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	60	-	-	-	-	7.5	7.4	7.3	7.2	7.1	6.8	6.5	6.0	5.6	5.0	4.3	3.6	2.9	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**CAUTION: DO NOT** use pump at flow rates indicated by the symbol '—'. To do so can cause premature failure of unit. Pump warranty is void when failure occurs under these conditions.

Tested and rated in accordance with Water Systems Council Standards.

**NOTE:** Pumps installed with a PRO-Source™ tank require a 100 PSI relief valve. Pumps installed with a conventional tank require a 75 PSI relief valve. Relief valve must be capable of relieving entire flow of pump at relief pressure.



# 4" submersible pumps – 5 and 7 gpm TrimLine™

## 7 Gallons per Minute PUMP PERFORMANCE (Capacity in Gallons Per Minute)

HP	PSI	Pumping Depth in Feet																					Shut-Off Head													
		20	40	60	80	100	125	150	175	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	Feet	PSI						
1/2	0	-	11.0	10.4	9.9	9.5	9.0	8.6	8.1	7.5	5.7	3.2																						322	139	
	20	10.2	9.2	9.3	8.9	8.6	8.1	7.6	6.7	5.4	3.6																									
	30	9.7	9.3	8.9	8.6	8.1	7.6	6.8	5.9	5.0																										
	40	9.2	8.9	8.5	8.1	7.6	7.0	6.0	5.0	3.6																										
	50	8.8	8.5	8.0	7.6	7.0	6.0	5.1	3.9																											
	60	8.4	8.0	7.5	6.8	6.2	5.1	4.0																												
3/4	0	-	-	11.0	10.4	9.9	9.5	9.2	8.9	8.5	7.6	6.5	5.0	2.3																				409	177	
	20	10.7	10.2	9.9	9.5	9.3	8.9	8.6	8.2	7.7	6.5	5.2	3.0																							
	30	10.1	9.8	9.4	9.2	8.9	8.6	8.2	7.8	7.2	6.0	4.2																								
	40	9.7	9.4	9.1	8.9	8.7	8.3	7.9	7.3	6.7	5.2	3.1																								
	50	9.4	9.1	8.9	8.6	8.3	7.9	7.3	6.7	6.1	4.3																									
	60	9.0	8.8	8.5	8.2	7.9	7.4	6.7	6.1	5.4	3.1																									
1	0	-	-	-	10.8	10.4	10.0	9.7	9.4	9.1	8.6	8.0	7.3	6.4	5.2	3.7																		545	236	
	20	-	10.6	10.3	10.0	9.8	9.4	9.2	8.9	8.6	8.1	7.3	6.5	5.3	3.8																					
	30	10.5	10.2	9.9	9.7	9.4	9.2	8.9	8.6	8.4	7.7	6.9	6.0	4.6	2.8																					
	40	10.2	9.9	9.7	9.4	9.2	9.0	8.6	8.4	8.1	7.4	6.5	5.3	3.9																						
	50	9.9	9.6	9.3	9.2	9.0	8.6	8.4	8.2	7.8	7.0	6.1	5.3	3.0																						
	60	9.5	9.3	9.2	8.9	8.7	8.4	8.2	7.8	7.5	6.6	5.5	4.0																							
1-1/2	0	-	-	-	10.9	10.4	10.1	9.9	9.7	9.2	8.8	8.4	7.9	7.3	6.6	5.8	4.8	3.5																	705	305
	20	-	-	10.7	10.4	10.2	9.9	9.7	9.4	9.2	8.8	8.5	8.0	7.3	6.7	5.8	4.9	3.7																		
	30	11.0	10.7	10.4	10.2	9.9	9.3	9.5	9.2	9.0	8.7	8.2	7.7	7.1	6.3	5.9	4.4	2.7																		
	40	10.6	10.3	10.2	9.9	9.5	9.3	9.2	9.1	8.8	8.5	8.0	7.4	6.7	5.9	4.9	3.7																			
	50	10.3	10.1	9.9	9.7	9.5	9.2	9.1	8.8	8.7	8.3	7.7	7.1	6.5	5.4	4.6	2.8																			
	60	10.1	9.8	9.7	9.5	9.3	9.1	8.9	8.7	8.5	8.0	7.5	6.8	6.0	5.0	4.1																				

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