

4" submersible pumps – 10, 15, 20, and 30 gpm



Precision-engineered, corrosion-resistant Signature 2000® Composite Pumps in 10, 15, 20 and 30 GPM deliver efficient, dependable performance even in rough, aggressive water. Heads to over 650 feet and capacities to 45 GPM. Built to deliver long-term, trouble-free service.

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

APPLICATIONS

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

SPECIFICATIONS

Shell – Stainless steel

Diameter – 3-7/8"

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

CableGuard – Stainless steel

Check Valve – Acetal

Agency Listings – UL and CSA

Signature **2000®**
COMPOSITE

FEATURES

Patented 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 poppitt 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.

Franklin Electric Motor – 2 and 3 wire NEMA standard super stainless series water-filled motors.

UL Classified to
ANSI/NSF
Standard 61,
Drinking Water Systems
Components – Health Effects



Nylatron® is a registered trademark of Polymer Corp. Signature 2000® is a registered trademark of WICOR Industries. PRO-Source™, SignaSeal™, and TrimLine™ are trademarks of WICOR Industries.

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

4" submersible pumps – 10, 15, 20, and 30 gpm

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*
10**	2 Wire	1/2	6	1	115	10SP4C01J	22	27	L10P4CJ	12	8-1/2	P218-1079C	22		
		1/2	6	1	230	10SP4C02J	22	27	L10P4CJ	12	8-1/2	P218-1080C	22		
		3/4	8	1	230	10SP4D02J	25	30	L10P4DJ	13-3/4	9-1/2	P218-1081C	26		
		1	10	1	230	10SP4E02J	28	34	L10P4EJ	15-1/2	10-1/4	P218-1082C	29		
		1-1/2	14	1	230	10SP4F02J	34	41	L10P4FJ	19	12	P218-1327C	39		
	3 Wire	1/2	6	1	115	10P4C01J	22	27	L10P4CJ	12	8-1/2	P218-1072C	21	P217-809	3
		1/2	6	1	230	10P4C02J	22	27	L10P4CJ	12	8-1/2	P218-1073C	21	P217-810	3
		3/4	8	1	230	10P4D02J	25	30	L10P4DJ	13-3/4	9-1/2	P218-1074C	25	P217-811	3
		1	10	1	230	10P4E02J	28	34	L10P4EJ	15-1/2	10-1/4	P218-1075C	28	P217-812	3
		1-1/2	14	1	230	10P4F02J	32-3/4	41	L10P4FJ	19	12	P218-1076C	31	P217-813	6
		1-1/2	14	3	230				L10P4FJ	19	12	P218-1330C	39	1095-K41	6
		1-1/2	14	3	460				L10P4FJ	19	12	P218-1279C	39	1096-K33	6
15**	2 Wire	1/2	5	1	115	15SP4C01J	22-1/4	27	L15P4CJ	12-1/4	9	P218-1079C	22		
		1/2	5	1	230	15SP4C02J	22-1/4	27	L15P4CJ	12-1/4	9	P218-1080C	22		
		3/4	7	1	230	15SP4D02J	25-3/4	31	L15P4DJ	14-1/2	10	P218-1081C	26		
		1	9	1	230	15SP4E02J	29-1/4	35	L15P4EJ	16-3/4	11	P218-1082C	29		
		1-1/2	12	1	230	15SP4F02J	35-1/4	43	L15P4FJ	20-1/4	13	P218-1327C	39		
	3 Wire	1/2	5	1	115	15P4C01J	22-1/4	27	L15P4CJ	12-1/4	9	P218-1072C	21	P217-809	3
		1/2	5	1	230	15P4C02J	22-1/4	27	L15P4CJ	12-1/4	9	P218-1073C	21	P217-810	3
		3/4	7	1	230	15P4D02J	25-3/4	31	L15P4DJ	14-1/2	10	P218-1074C	25	P217-811	3
		1	9	1	230	15P4E02J	29-1/4	35	L15P4EJ	16-3/4	11	P218-1075C	28	P217-812	3
		1-1/2	12	1	230	15P4F02J	33-3/4	41	L15P4FJ	20-1/4	13	P218-1076C	31	P217-813	6
		1-1/2	12	3	230				L15P4FJ	20-1/4	13	P218-1330C	33	1095-K41	6
		1-1/2	12	3	460				L15P4FJ	20-1/4	13	P218-1279C	33	1096-K33	6
20**	2 Wire	3/4	5	1	230	20SP4D02J	23-3/4	30	L20P4DJ	12-1/2	8-1/2	P218-1081C	26		
		1	7	1	230	20SP4E02J	27-1/4	34	L20P4EJ	14-3/4	9-3/4	P218-1082C	29		
		1-1/2	9	1	230	20SP4F02J	32	39	L20P4FJ	16-3/4	10-3/4	P218-1327C	39		
	3 Wire	3/4	5	1	230	20P4D02J	23-3/4	30	L20P4DJ	12-1/2	8-1/2	P218-1074C	25	P217-811	3
		1	7	1	230	20P4E02J	27-1/4	34	L20P4EJ	14-3/4	9-3/4	P218-1075C	28	P217-812	3
		1-1/2	9	1	230	20P4F02J	30-1/2	39	L20P4FJ	16-3/4	10-3/4	P218-1076C	31	P217-813	6
		1-1/2	9	3	230				L20P4FJ	16-3/4	10-3/4	P218-1330C	33	1095-K41	6
		1-1/2	9	3	460				L20P4FJ	16-3/4	10-3/4	P218-1279C	33	1096-K33	6
		2	12	1	230				L20P4GJ	20-1/4	12-1/2	P218-1328C	43	P217-814	8
		2	12	3	230				L20P4GJ	20-1/4	12-1/2	P218-1331C	47	1095-K43	6
		2	12	3	460				L20P4GJ	20-1/4	12-1/2	P218-1274C	47	1096-K33	6
30**	2 Wire	1	5	1	230	30SP4E02J	26-1/2	35	L30P4EJ	14	10	P218-1082C	29		
		1-1/2	6	1	230	30SP4F02J	30-1/2	39	L30P4FJ	15-1/4	11	P218-1327C	39		
	3 Wire	1	5	1	230	30P4E02J	26-1/2	35	L30P4EJ	14	10	P218-1075C	28	P217-812	3
		1-1/2	6	1	230	30P4F02J	29	39	L30P4FJ	15-1/4	11	P218-1076C	31	P217-813	6
		1-1/2	6	3	230				L30P4FJ	15-1/4	11	P218-1330C	33	1095-K41	6
		1-1/2	6	3	460				L30P4FJ	15-1/4	11	P218-1297C	33	1096-K33	6
		2	8	1	230				L30P4GJ	18-1/4	12	P218-1328C	43	P217-814	8
		2	8	3	230				L30P4GJ	18-1/4	12	P218-1331C	47	1095-K43	6
		2	8	3	460				L30P4GJ	18-1/4	12	P218-1274C	47	1096-K33	6

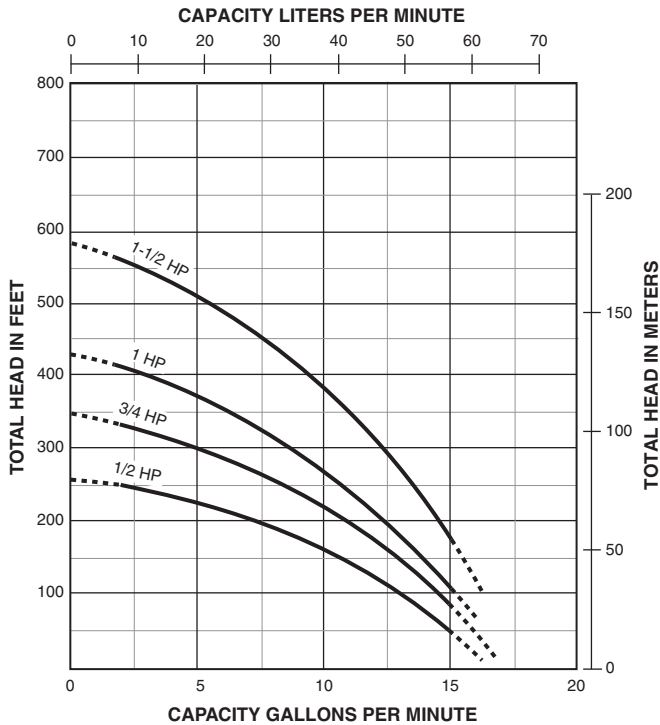
*Length and Weight are approximate.

**For 10 GPM, 15 GPM, 20 GPM, and 30 GPM discharge is 1-1/4" NPT.

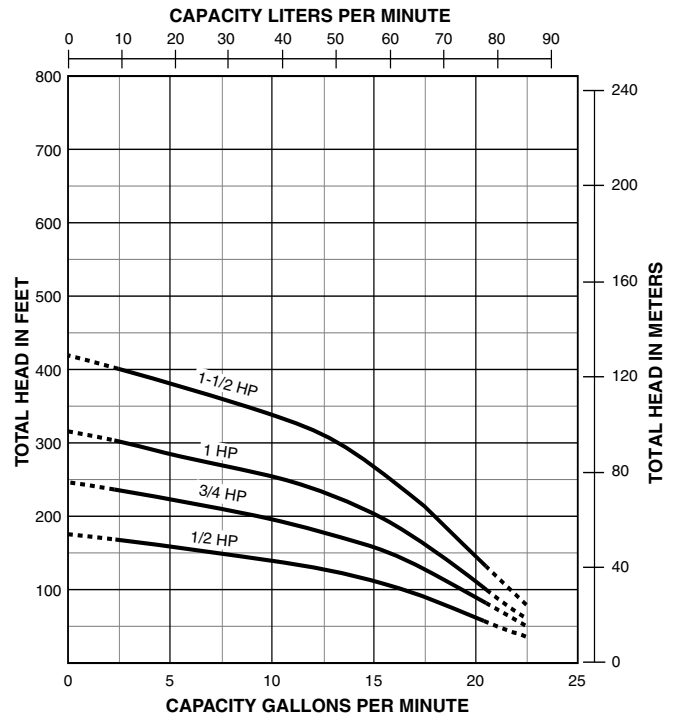
NOTE: On 2 HP and larger pumps – Motor, Control Box or Magnetic Starter must be ordered separately.

4" submersible pumps – 10, 15, 20, and 30 gpm

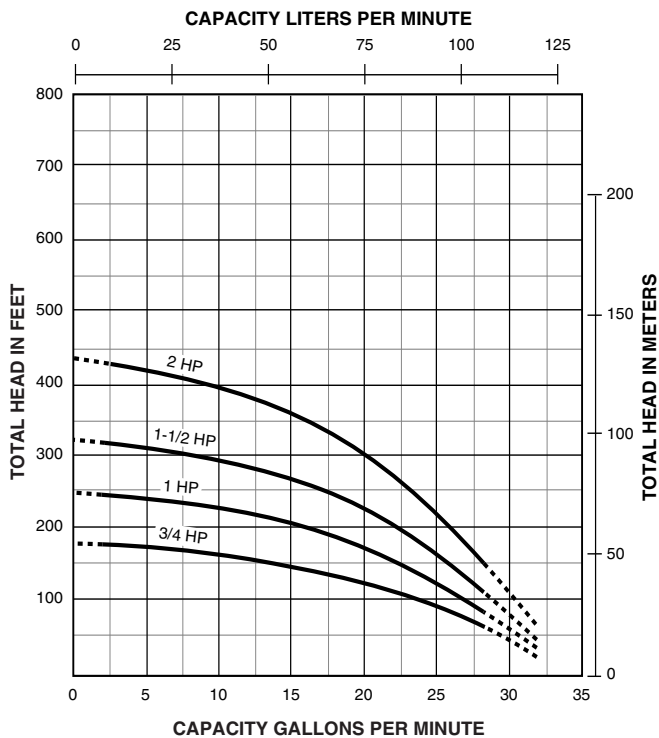
PUMP PERFORMANCE – 10 GPM



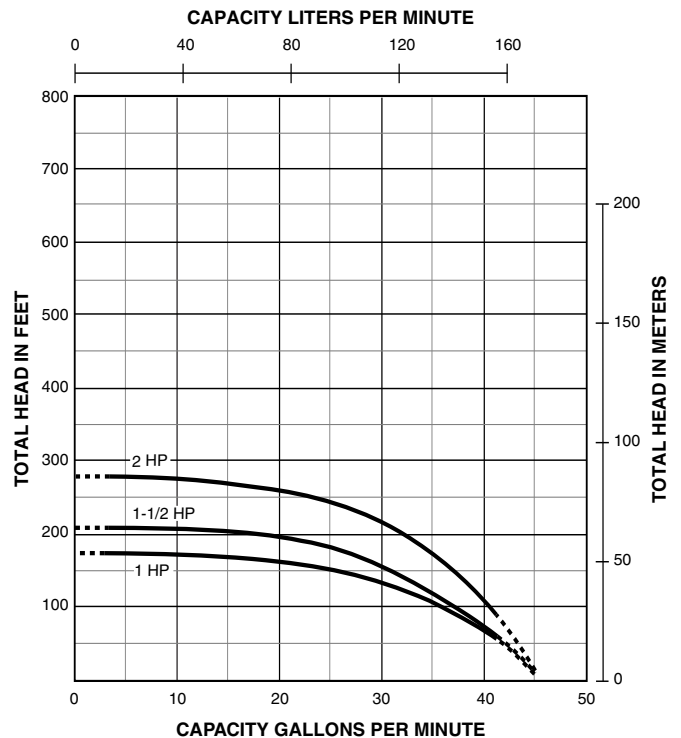
PUMP PERFORMANCE – 15 GPM



PUMP PERFORMANCE – 20 GPM

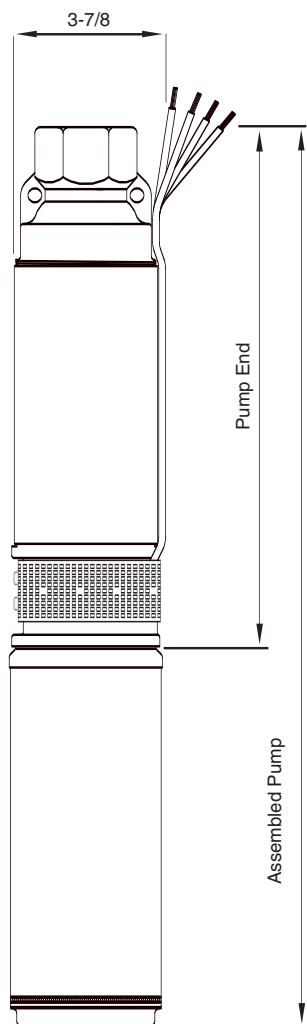


PUMP PERFORMANCE – 30 GPM



4" submersible pumps – 10, 15, 20, and 30 gpm

OUTLINE DIMENSIONS



Discharge	
10 GPM	1-1/4" NPT
15 GPM	1-1/4" NPT
20 GPM	1-1/4" NPT
30 GPM	1-1/4" NPT

For lengths, refer to
Ordering Information
tables.

Dimensions (in inches) are for estimating purposes only.



4" submersible pumps – 10, 15, 20, and 30 gpm

10 Gallons per Minute

PUMP PERFORMANCE (Capacity in Gallons Per Minute)

HP	PSI	Pumping Depth in Feet																	Shutoff Head	
		20	40	60	80	100	125	150	175	200	250	300	350	400	450	500	550	600	Feet	PSI
1/2	0	—	—	14.1	13.5	12.8	12.0	10.8	9.5	7.4	4.7								255	110
	20	14.0	13.3	12.7	12.0	11.0	9.6	7.8	5.2	1.4										
	30	13.2	12.6	11.8	10.9	9.8	8.0	5.5	1.7											
	40	12.4	11.7	10.8	9.7	8.2	8.8	2.0												
	50	11.5	10.5	9.4	7.8	5.8	2.2													
	60	10.4	9.2	7.5	5.4	2.8														
3/4	0	—	—	—	14.8	14.4	13.8	13.0	12.0	11.0	8.4	4.7							340	147
	20	—	14.7	14.3	13.7	13.0	12.2	11.2	9.9	8.6	5.0									
	30	14.4	14.2	13.7	13.0	12.3	11.2	10.0	8.8	7.2	3.0									
	40	14.2	13.5	12.9	12.1	11.3	10.2	8.9	7.4	5.3										
	50	13.4	12.7	12.0	11.0	10.2	8.9	7.4	5.5	3.2										
	60	12.6	11.9	11.0	10.0	9.1	7.5	5.7	4.4	1.4										
1	0	—	—	—	—	15.8	15.3	14.7	14.0	13.3	11.7	9.5	6.9	4.2					425	184
	20	—	—	15.7	15.3	14.8	14.2	13.4	12.6	11.8	9.8	7.2	3.8							
	30	—	15.6	15.2	14.7	14.2	13.5	12.8	11.8	10.8	8.5	5.8	2.0							
	40	15.6	15.1	14.6	14.1	13.5	12.9	11.9	10.9	9.8	7.4	4.2								
	50	15.1	14.5	14.0	13.4	12.9	11.9	10.9	9.9	8.8	5.9	2.2								
	60	14.4	13.9	13.3	12.8	12.0	11.0	10.0	8.8	7.5	4.5									
1-1/2	0	—	—	—	—	—	—	15.7	15.3	14.8	13.8	12.7	11.5	10.1	8.6	6.6	4.2		595	258
	20	—	—	—	—	15.8	15.4	14.9	14.4	13.9	12.8	11.6	10.3	8.7	6.9	4.4				
	30	—	—	—	15.7	15.4	14.9	14.5	13.9	13.4	12.3	11.0	9.6	7.9	5.8	2.9				
	40	—	16.0	15.6	15.3	15.0	14.5	14.0	13.5	12.9	11.7	10.4	8.9	7.1	4.6	1.0				
	50	15.9	15.5	15.3	14.9	14.5	14.0	13.5	12.9	12.4	11.0	9.7	8.0	6.0	3.2					
	60	15.5	15.2	14.8	14.4	14.0	13.5	13.0	12.4	11.7	10.5	9.0	7.3	4.7	1.2					

CAUTION: DO NOT use pump at flow rates indicated by the symbol '—'. To do so can cause premature failure of unit. Pump warranty 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 – 10, 15, 20, and 30 gpm

15 Gallons per Minute

PUMP PERFORMANCE (Capacity in Gallons Per Minute)

HP	PSI	Pumping Depth in Feet															Shutoff Head	
		20	40	60	80	100	125	150	175	200	250	300	350	400	450	500	Feet	PSI
1/2	0	—	21.5	20.0	18.7	16.9	13.1	7.4	0.2								175	76
	20	19.7	18.3	16.3	13.0	8.8	1.5											
	30	18.0	15.6	12.4	7.9	2.0												
	40	15.2	11.9	7.0	1.3													
	50	11.2	5.8	0.1														
	60	4.8																
3/4	0	—	22.5	21.2	20.2	19.3	17.8	16.0	13.2	9.6							245	106
	20	20.9	19.9	19.0	17.7	16.4	13.7	10.0	4.9									
	30	19.8	18.8	17.6	16.1	14.0	10.7	5.5	0.7									
	40	18.6	17.5	15.9	13.5	10.9	6.0	0.8										
	50	17.2	15.4	13.1	10.0	6.4	1.1											
	60	15.0	12.7	9.7	5.5	1.8												
1	0	—	—	22.1	21.8	20.4	19.4	18.4	17.2	15.5	10.3	2.7					318	138
	20	21.9	20.9	20.2	19.3	18.7	17.5	15.8	13.4	10.9	3.2							
	30	20.8	20.0	19.1	18.5	17.6	16.0	13.7	11.1	7.5								
	40	19.8	19.0	18.3	17.4	16.2	13.9	11.3	8.1	3.7								
	50	18.9	18.2	17.1	15.8	14.0	11.4	8.2	4.0	0.3								
	60	18.0	17.0	15.6	13.7	11.7	8.4	4.4	0.6									
1-1/2	0	—	—	—	22.1	21.4	20.5	19.9	19.3	18.4	16.4	13.1	8.3	2.8			420	182
	20	—	21.8	21.2	20.5	20.0	19.3	18.6	17.6	16.5	13.5	9.1	3.2					
	30	21.7	21.1	20.3	19.9	19.3	18.7	17.7	16.6	15.4	11.7	6.3	0.1					
	40	21.0	20.2	19.8	19.2	18.7	17.9	16.7	15.5	13.7	9.4	3.6						
	50	20.2	19.7	19.2	18.6	18.0	16.8	15.6	13.8	11.9	6.7	0.5						
	60	19.6	19.0	18.5	17.7	16.9	15.7	13.9	12.0	9.7	3.8							

CAUTION: DO NOT use pump at flow rates indicated by the symbol '—'. To do so can cause premature failure of unit. Pump warranty 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 – 10, 15, 20, and 30 gpm

20 Gallons per Minute

PUMP PERFORMANCE (Capacity in Gallons Per Minute)

HP	PSI	Pumping Depth in Feet														Shutoff Head	
		20	40	60	80	100	125	150	175	200	250	300	350	400	450	Feet	PSI
3/4	0	—	—	29.2	26.9	23.5	19.0	13.7	1.8							180	78
	20	28.5	25.8	22.5	18.5	14.5	3.4										
	30	25.2	22.0	18.3	13.9	4.5											
	40	21.3	17.6	13.0	3.0												
	50	17.2	11.4	1.8													
	60	10.2															
1	0	—	—	31.0	29.6	28.0	25.3	22.4	18.8	15.5						251	109
	20	30.5	29.2	27.4	25.1	22.8	19.5	16.1	10.1								
	30	28.8	27.2	24.9	22.5	19.8	16.5	10.6									
	40	27.0	24.5	22.0	19.4	16.8	11.6	2.6									
	50	24.2	21.5	19.0	16.3	12.5	3.3										
	60	21.3	18.6	16.0	11.1	3.7											
1-1/2	0	—	—	—	30.9	29.8	28.2	26.4	24.0	21.6	16.4	5.4				323	140
	20	—	30.5	29.4	28.2	26.8	24.4	22.0	19.5	16.8	6.8						
	30	30.3	29.3	28.0	26.5	24.7	22.2	19.6	17.1	13.9							
	40	29.1	27.8	26.2	24.3	22.3	19.8	17.3	14.2	8.0							
	50	27.5	26.0	24.1	22.1	20.0	17.5	14.5	8.3								
	60	25.6	23.9	21.9	19.8	17.5	14.8	9.1	2.2								
2	0	—	—	—	31.5	30.7	29.7	28.6	27.3	26.0	23.2	20.2	16.2	8.5		435	188
	20	—	31.3	30.5	29.7	28.8	27.5	26.1	24.9	23.4	20.6	16.7	9.5				
	30	31.1	30.3	29.5	28.7	27.6	26.2	25.0	23.5	22.1	19.1	13.8	4.8				
	40	30.2	29.4	28.5	27.5	26.4	25.1	23.7	22.2	20.8	17.2	10.1					
	50	29.3	28.3	27.2	26.1	25.1	23.8	22.3	20.9	19.3	14.0	5.7					
	60	28.1	27.1	26.0	25.0	23.9	22.4	21.0	19.4	17.3	10.8						

CAUTION: DO NOT use pump at flow rates indicated by the symbol '—'. To do so can cause premature failure of unit. Pump warranty 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 – 10, 15, 20, and 30 gpm

30 Gallons per Minute

PUMP PERFORMANCE (Capacity in Gallons Per Minute)

HP	PSI	Pumping Depth in Feet														Shutoff Head	
		20	40	60	80	100	125	150	175	200	250	300	350	400	450	Feet	PSI
1	0	44.0	42.5	40.9	39.1	36.8	32.5	26.0	8.0							175	76
	20	40.4	38.8	36.0	32.4	27.7	13.3										
	30	38.0	35.3	31.7	26.3	14.3											
	40	35.0	31.4	25.9	12.1												
	50	30.2	24.0	3.0													
	60	21.9															
1-1/2	0	44.2	43.1	41.9	39.9	37.5	34.1	30.9	26.9	17.0						210	91
	20	41.2	39.1	36.5	34.0	31.5	27.8	21.5									
	30	38.9	36.1	33.8	31.0	27.9	21.8										
	40	36.0	33.5	30.8	27.7	20.2											
	50	32.9	30.1	26.8	21.5												
	60	29.5	25.9	18.1													
2	0	44.9	43.9	43.0	41.8	40.5	38.8	36.8	34.7	31.6	23.7					280	121
	20	42.7	41.3	40.1	38.7	37.1	34.9	32.1	29.0	24.8							
	30	41.2	40.0	38.5	37.0	35.0	32.2	29.1	24.9	15.2							
	40	39.9	38.3	36.6	34.8	32.7	29.8	25.1	16.1								
	50	38.0	36.3	34.5	32.1	30.0	25.3	17.5									
	60	36.0	34.0	31.9	29.1	26.0	18.0										

CAUTION: DO NOT use pump at flow rates indicated by the symbol '—'. To do so can cause premature failure of unit. Pump warranty 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.