

Don't get caught with
CURVE ENVY

See what's
NEW
inside

BERKELEY® 4" SUBMERSIBLE PUMPS

1/2 HP to 1-1/2 HP



www.BerkeleyPumps.com

BERKELEY® 4" SUBMERSIBLE PUMPS

The Signature 2000® pump design has been delivering dependable performance since 1990. Our floating stage design continues to handle even the most aggressive water with our SignaSeal™ system that breaks down debris and reduces locking. Now we're going further by upstaging and adding additional features to the pumps you've grown to trust and rely on every day!

So what does this mean for you?

Better performance

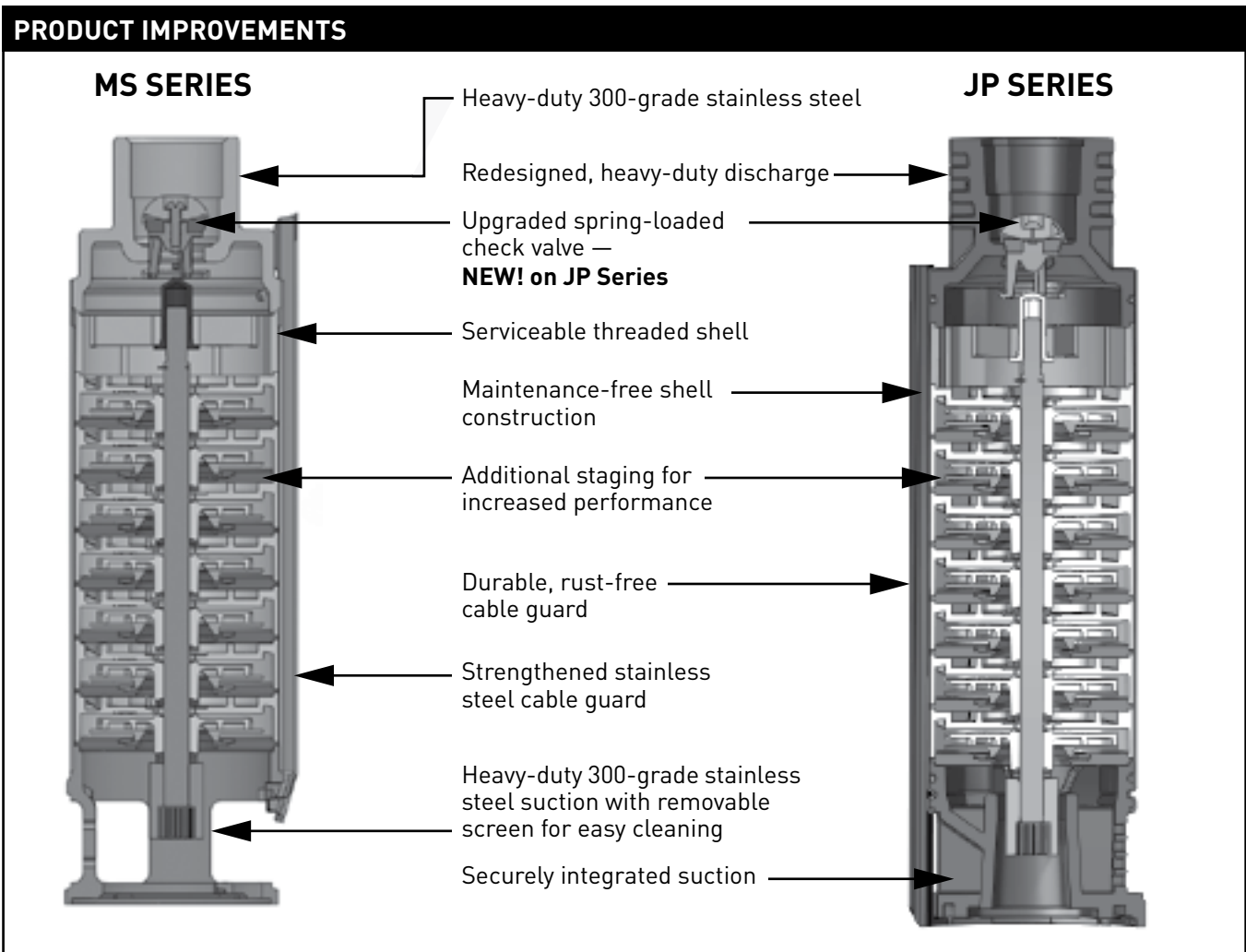
With increased staging across much of our 1/2-1 1/2HP pumps, you'll enjoy even greater performance receiving more depth and/or more flow than before with heads to 800 feet and flows up to 27 gallons.

Avoid Curve Envy

Our increased staging also gives you more than competitive pumps at like horsepower and rated flow. We've even developed a tool to show you how our pumps compare to the top competitors. Visit www.pumps.com/curveenvy.html to compare your pump!

Reliability

We continue to strive towards perfecting our pumps and we've taken the next step with our JP series by redesigning the discharge to make it even stronger as well as adding a NEW spring-loaded check valve. All in an effort to provide you with the most reliable pump in the market.



APPLICATIONS

Water Supply: for residential, industrial, commercial, multiple housing and farm use.

FEATURES (MS & JP)

Proven 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 Bearing: Self-lubricating Nylatron bearing resists wear from sand.

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

Coupling: Stainless steel press fit to pump shaft, which couples to all standard NEMA motors.

Shell: 300-grade, heavy-walled corrosion-resistant stainless steel.

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

Check Valve: Durable internal spring-loaded check valve — **NEW! on JP Series**

Pentek® XE Series Motor:

Our powerful, encapsulated submersible 2 and 3 wire motors drive all of our pumps. These powerful motors have been proven over the years with over a million motors installed across the world!



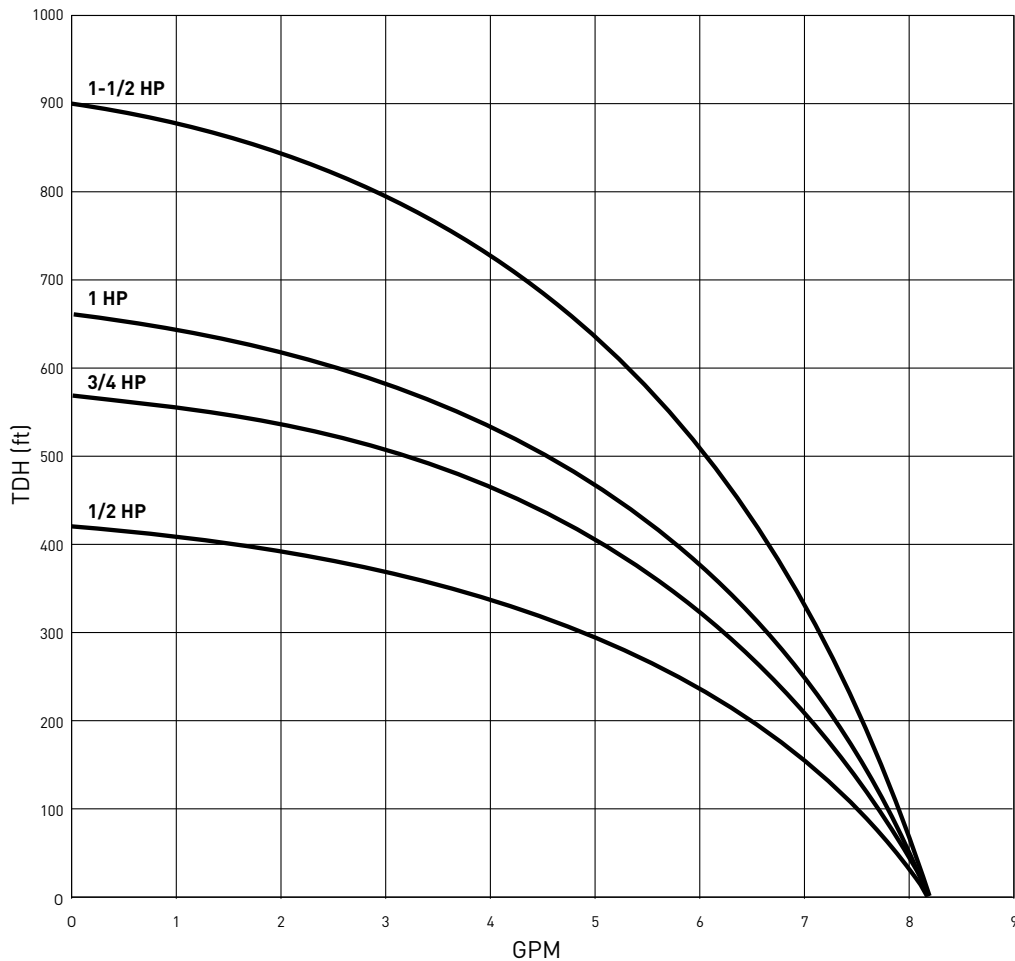
SPECIFICATIONS

	MS Series	JP Series
SUCTION/DISCHARGE		
Material	300-Grade Stainless Steel	Nylon 610 (Composite)
SCREEN		
Type	Serviceable	Integrated
Material	300-Grade Stainless Steel	Nylon 610
CABLE GUARD		
Material	300-Grade Stainless Steel	PVC
Attachment Method	2 screws – 300-Grade Stainless Steel and 2 hooks	2 screws – 300-Grade Stainless Steel and bottom inserts into suction slots
Screw Placement	Discharge/Shell area	Discharge/Shell area
SHELL		
Material	300-Grade Stainless Steel	300-Grade Stainless Steel
Construction Method	Threaded, left-handed threads	Sealed
Thickness	.065"	.032"
Serviceable	Yes	No

ORDERING INFORMATION

GPM	Motor Type	HP	Stages	PH	Volt	Assembled Pump			Pump End			Motor		Drive		Control Box					
						Catalog Number	Length (in.)	Weight (lbs.)	Catalog Number	Length (in.)	Weight (lbs.)	Catalog Number	Weight (lbs.)	Catalog Number	Weight (lbs.)	Catalog Number	Weight (lbs.)				
MS SERIES																					
5	2	1/2	14	1	115	B5P4MS05121	28	28	L5P4CMGS	18	12	P42B0005A1-C	19	PID10	22						
		1/2	14	1	230	B5P4MS05221	28	28	L5P4CMGS	18	12	P42B0005A2-C	19								
		3/4	19	1	230	B5P4MS07221	33	34	L5P4DMGS	22	15	P42B0007A2-C	23								
		1	22	1	230	B5P4MS10221	37	39	L5P4EMGS	26	17	P42B0010A2-C	25								
		1 1/2	30	1	230	B5P4MS15221	47	51	L5P4FMGS	32	21	P42B0015A2-C	29						PID20		
	3	1/2	14	1	230	B5P4MS05231	28	28	L5P4CMGS	18	12	P43B0005A2-C	18	PID10	22				SMC-CR0521	4	
		3/4	19	1	230	B5P4MS07231	33	34	L5P4CMGS	22	15	P43B0007A2-C	21						SMC-CR0721	4	
		1	22	1	230	B5P4MS10231	38	39	L5P4DMGS	26	17	P43B0010A2-C	23						SMC-CR1021	4	
		1 1/2	30	1	230	B5P4MS15231	46	48	L5P4EMGS	32	21	P43B0015A2-C	27	PID20					SMC-CR1521	7	
JP SERIES																					
5	2	1/2	14	1	115	B5P4JP05121	28	28	SL5P4CJ	18	12	P42B0005A1-C	19	PID10	22						
		1/2	14	1	230	B5P4JP05221	28	28	SL5P4CJ	18	12	P42B0005A2-C	19								
		3/4	19	1	230	B5P4JP07221	33	34	SL5P4DJ	22	15	P42B0007A2-C	23								
		1	22	1	230	B5P4JP10221	37	39	SL5P4EJ	26	17	P42B0010A2-C	25								
	3	1/2	14	1	230	B5P4JP05231	28	28	SL5P4CJ	18	12	P43B0005A2-C	18	PID10	22					SMC-CR0521	4
		3/4	19	1	230	B5P4JP07231	33	34	SL5P4CJ	22	15	P43B0007A2-C	21							SMC-CR0721	4
		1	22	1	230	B5P4JP10231	38	39	SL5P4DJ	26	17	P43B0010A2-C	23							SMC-CR1021	4

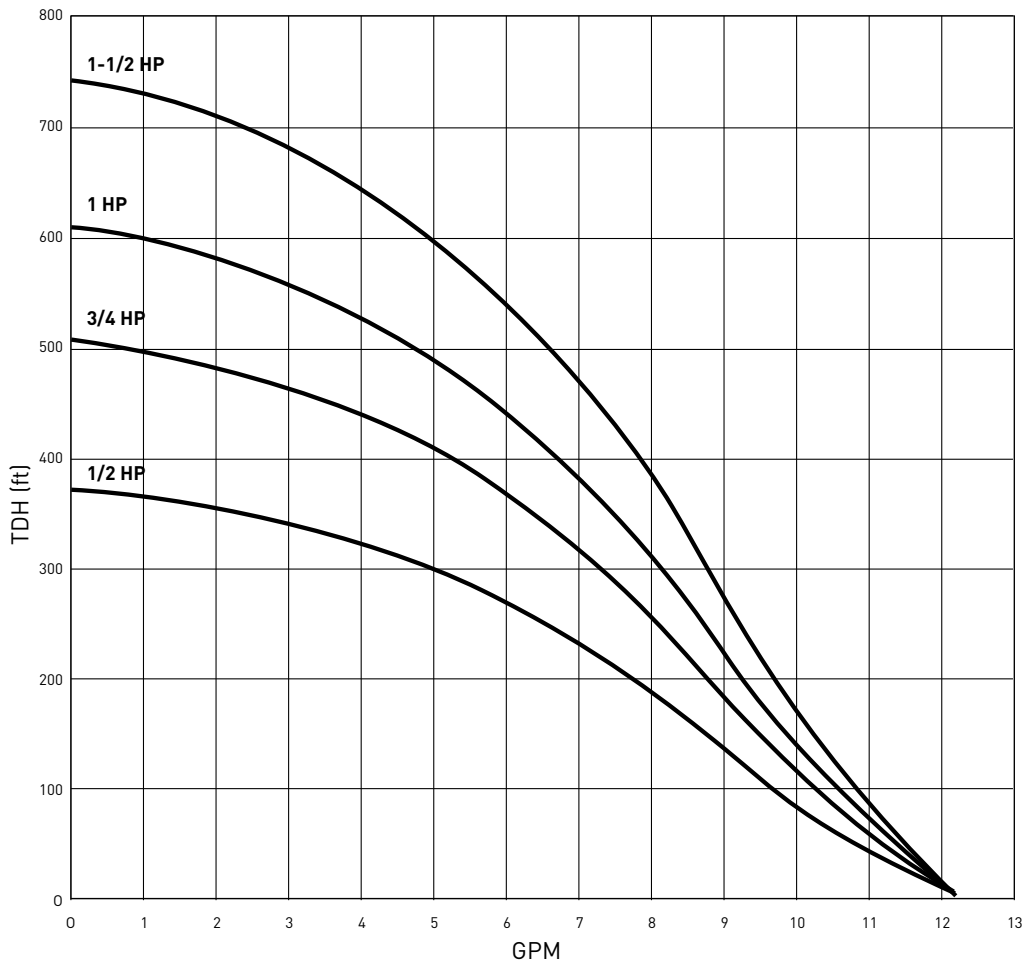
PUMP PERFORMANCE



ORDERING INFORMATION

GPM	Motor Type	HP	Stages	PH	Volt	Assembled Pump			Pump End			Motor		Drive		Control Box		
						Catalog Number	Length (in.)	Weight (lbs.)	Catalog Number	Length (in.)	Weight (lbs.)	Catalog Number	Weight (lbs.)	Catalog Number	Weight (lbs.)	Catalog Number	Weight (lbs.)	
MS SERIES																		
7	2	1/2	11	1	115	B7P4MS05121	26	27	L7P4CMGS	16	11	P42B0005A1-C	19	PID10	22			
		1/2	11	1	230	B7P4MS05221	26	27	L7P4CMGS	16	11	P42B0005A2-C	19					
		3/4	15	1	230	B7P4MS07221	30	32	L7P4DMGS	19	13	P42B0007A2-C	23					
		1	18	1	230	B7P4MS10221	34	37	L7P4EMGS	22	15	P42B0010A2-C	25					
		1 1/2	22	1	230	B7P4MS15221	43	47	L7P4FMGS	28	17	P42B0015A2-C	29					
	3	1/2	11	1	230	B7P4MS05231	26	27	L7P4CMGS	16	11	P43B0005A2-C	19	PID10	22			
		3/4	15	1	230	B7P4MS07231	30	32	L7P4DMGS	19	13	P43B0007A2-C	21					
		1	18	1	230	B7P4MS10231	34	37	L7P4EMGS	22	15	P43B0010A2-C	23					
		1 1/2	22	1	230	B7P4MS15231	42	47	L7P4FMGS	28	17	P43B0015A2-C	27	PID20			SMC-CR0521	4
JP SERIES																		
7	2	1/2	11	1	115	B7P4JP05121	26	27	SL7P4CJL	16	11	P42B0005A1-C	19	PID10	22			
		1/2	11	1	230	B7P4JP05221	26	27	SL7P4CJL	16	11	P42B0005A2-C	19					
		3/4	15	1	230	B7P4JP07221	30	32	SL7P4DJL	19	13	P42B0007A2-C	23					
		1	18	1	230	B7P4JP10221	34	37	SL7P4EJL	22	15	P42B0010A2-C	25					
		1 1/2	22	1	230	B7P4JP15221	43	47	SL7P4FJL	28	17	P42B0015A2-C	29					
	3	1/2	11	1	230	B7P4JP05231	26	27	SL7P4CJL	16	11	P43B0005A2-C	19	PID10	22			
		3/4	15	1	230	B7P4JP07231	30	32	SL7P4DJL	19	13	P43B0007A2-C	21					
		1	18	1	230	B7P4JP10231	34	37	SL7P4EJL	22	15	P43B0010A2-C	23					
		1 1/2	22	1	230	B7P4JP15231	42	47	SL7P4FJL	28	17	P43B0015A2-C	27	PID20			SMC-CR0521	4

PUMP PERFORMANCE



PUMP PERFORMANCE (CAPACITY IN GALLONS PER MINUTE)

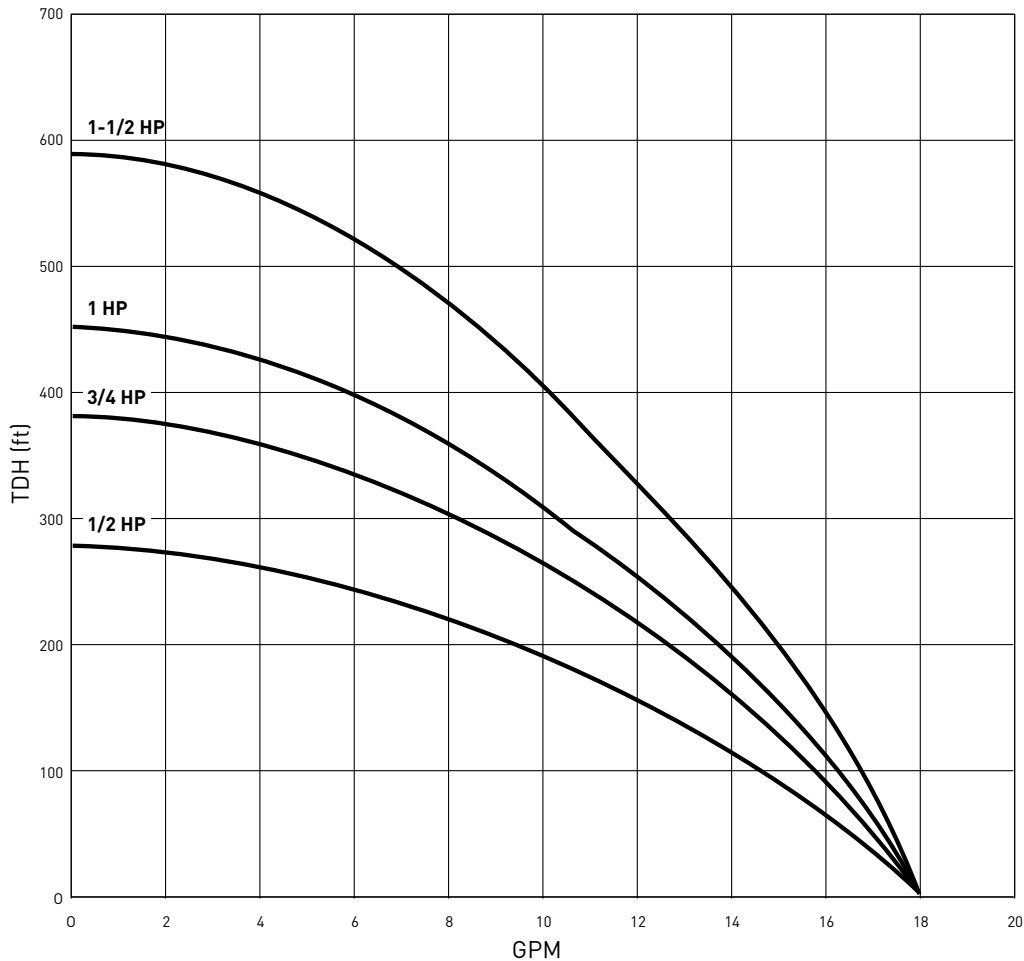
7 GALLONS PER MINUTE

HP	PSI	Pumping Depth in Feet																												Shut-Off Head	
		0	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	450	500	550	600	650	700	Feet	PSI	
1/2	0	-	11.0	10.7	10.4	10.0	9.7	9.3	8.9	8.6	8.1	7.7	7.2	6.7	6.2	5.6	5.0	4.2	3.3	-	-	-	-	-	-	-	-	-	-	372	161
	20	10.6	10.3	9.9	9.6	9.2	8.8	8.4	8.0	7.6	7.1	6.6	6.0	5.4	4.7	3.9	2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	30	10.2	9.9	9.5	9.2	8.8	8.4	7.9	7.5	7.0	6.5	5.9	5.3	4.6	3.8	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	40	9.8	9.5	9.1	8.7	8.3	7.9	7.4	6.9	6.4	5.9	5.2	4.5	3.7	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	50	9.4	9.0	8.6	8.2	7.8	7.3	6.9	6.3	5.8	5.1	4.4	3.5	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	60	9.0	8.6	8.2	7.7	7.3	6.8	6.2	5.7	5.0	4.3	3.3	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	70	8.5	8.1	7.7	7.2	6.7	6.2	5.6	4.9	4.1	3.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	80	8.0	7.6	7.1	6.6	6.1	5.5	4.8	4.0	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/4	0	-	-	10.9	10.6	10.4	10.2	9.9	9.6	9.4	9.1	8.8	8.5	8.2	7.9	7.6	7.2	6.9	6.5	6.1	5.7	5.2	3.8	-	-	-	-	-	507	220	
	20	10.8	10.6	10.3	10.1	9.8	9.6	9.3	9.0	8.7	8.4	8.1	7.8	7.5	7.1	6.8	6.4	6.0	5.5	5.0	4.5	3.9	-	-	-	-	-	-	-	-	
	30	10.5	10.3	10.0	9.8	9.5	9.2	9.0	8.7	8.4	8.1	7.8	7.4	7.1	6.7	6.3	5.9	5.5	5.0	4.4	3.8	3.0	-	-	-	-	-	-	-	-	-
	40	10.2	10.0	9.7	9.5	9.2	8.9	8.6	8.3	8.0	7.7	7.4	7.0	6.6	6.3	5.8	5.4	4.9	4.3	3.7	2.9	-	-	-	-	-	-	-	-	-	-
	50	10.0	9.7	9.4	9.2	8.9	8.6	8.3	8.0	7.7	7.3	7.0	6.6	6.2	5.8	5.3	4.8	4.2	3.6	2.8	-	-	-	-	-	-	-	-	-	-	-
	60	9.7	9.4	9.1	8.8	8.5	8.2	7.9	7.6	7.3	6.9	6.5	6.1	5.7	5.2	4.7	4.1	3.5	2.6	-	-	-	-	-	-	-	-	-	-	-	-
	70	9.4	9.1	8.8	8.5	8.2	7.9	7.6	7.2	6.8	6.5	6.1	5.6	5.2	4.6	4.0	3.3	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-
	80	9.0	8.8	8.5	8.2	7.8	7.5	7.2	6.8	6.4	6.0	5.6	5.1	4.5	3.9	3.2	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	0	-	-	11.0	10.8	10.6	10.4	10.2	9.9	9.7	9.5	9.3	9.1	8.8	8.6	8.3	8.1	7.8	7.5	7.2	6.9	6.6	5.8	4.8	3.5	-	-	608	263		
	20	10.9	10.7	10.5	10.3	10.1	9.9	9.7	9.4	9.2	9.0	8.7	8.5	8.2	7.9	7.7	7.4	7.1	6.8	6.5	6.2	5.8	4.9	3.6	-	-	-	-	-	-	
	30	10.7	10.5	10.3	10.1	9.8	9.6	9.4	9.2	8.9	8.7	8.5	8.2	7.9	7.7	7.4	7.1	6.8	6.5	6.1	5.8	5.4	4.3	2.8	-	-	-	-	-	-	-
	40	10.4	10.2	10.0	9.8	9.6	9.4	9.1	8.9	8.7	8.4	8.2	7.9	7.6	7.4	7.1	6.8	6.4	6.1	5.7	5.3	4.9	3.7	-	-	-	-	-	-	-	-
	50	10.2	10.0	9.8	9.6	9.3	9.1	8.9	8.6	8.4	8.1	7.9	7.6	7.3	7.0	6.7	6.4	6.0	5.7	5.3	4.9	4.4	3.0	-	-	-	-	-	-	-	-
	60	10.0	9.7	9.5	9.3	9.1	8.8	8.6	8.3	8.1	7.8	7.5	7.3	7.0	6.7	6.3	6.0	5.6	5.2	4.8	4.3	3.8	-	-	-	-	-	-	-	-	-
	70	9.7	9.5	9.3	9.0	8.8	8.6	8.3	8.0	7.8	7.5	7.2	6.9	6.6	6.3	5.9	5.6	5.2	4.7	4.3	3.7	3.1	-	-	-	-	-	-	-	-	-
	80	9.5	9.2	9.0	8.8	8.5	8.3	8.0	7.7	7.5	7.2	6.9	6.6	6.2	5.9	5.5	5.1	4.7	4.2	3.6	3.0	2.1	-	-	-	-	-	-	-	-	-
1 1/2	0	-	-	11.0	10.9	10.7	10.5	10.4	10.2	10.0	9.9	9.7	9.5	9.3	9.1	8.9	8.8	8.6	8.3	8.1	7.9	7.7	7.1	6.5	5.8	5.0	4.0	2.7	744	322	
	20	11.0	10.8	10.7	10.5	10.3	10.2	10.0	9.8	9.6	9.5	9.3	9.1	8.9	8.7	8.5	8.3	8.1	7.9	7.6	7.4	7.2	6.5	5.8	5.0	4.1	2.8	-	-	-	
	30	10.8	10.6	10.5	10.3	10.1	10.0	9.8	9.6	9.4	9.2	9.1	8.9	8.7	8.5	8.3	8.0	7.8	7.6	7.4	7.1	6.9	6.2	5.5	4.6	3.5	-	-	-	-	-
	40	10.6	10.4	10.3	10.1	9.9	9.8	9.6	9.4	9.2	9.0	8.8	8.6	8.4	8.2	8.0	7.8	7.6	7.3	7.1	6.8	6.6	5.9	5.1	4.2	2.9	-	-	-	-	-
	50	10.4	10.2	10.1	9.9	9.7	9.6	9.4	9.2	9.0	8.8	8.6	8.4	8.2	8.0	7.8	7.5	7.3	7.1	6.8	6.5	6.3	5.5	4.7	3.6	2.1	-	-	-	-	-
	60	10.2	10.1	9.9	9.7	9.5	9.3	9.2	9.0	8.8	8.6	8.4	8.2	7.9	7.7	7.5	7.3	7.0	6.8	6.5	6.2	5.9	5.2	4.2	3.0	-	-	-	-	-	-
	70	10.0	9.9	9.7	9.5	9.3	9.1	8.9	8.7	8.5	8.3	8.1	7.9	7.7	7.5	7.2	7.0	6.7	6.5	6.2	5.9	5.6	4.8	3.7	2.3	-	-	-	-	-	-
	80	9.8	9.6	9.5	9.3	9.1	8.9	8.7	8.5	8.3	8.1	7.9	7.6	7.4	7.2	6.9	6.7	6.4	6.1	5.9	5.5	5.2	4.3	3.1	-	-	-	-	-	-	-

ORDERING INFORMATION

GPM	Motor Type	HP	Stages	PH	Volt	Assembled Pump			Pump End			Motor		Drive		Control Box		
						Catalog Number	Length (in.)	Weight (lbs.)	Catalog Number	Length (in.)	Weight (lbs.)	Catalog Number	Weight (lbs.)	Catalog Number	Weight (lbs.)	Catalog Number	Weight (lbs.)	
MS SERIES																		
10	2	1/2	8	1	115	B10P4MS05121	23	28	L10P4CMGS	13	9	P42B0005A1-C	19	PID10	22			
		1/2	8	1	230	B10P4MS05221	23	28	L10P4CMGS	13	9	P42B0005A2-C	19					
		3/4	11	1	230	B10P4MS07221	26	31	L10P4DMGS	15	10	P42B0007A2-C	23					
		1	13	1	230	B10P4MS10221	29	35	L10P4EMGS	17	11	P42B0010A2-C	25					
		1 1/2	17	1	230	B10P4MS15221	35	42	L10P4FMGS	20	12	P42B0015A2-C	29					
	3	1/2	8	1	230	B10P4MS05231	23	28	L10P4CMGS	13	9	P43B0005A2-C	19	PID10	22			
		3/4	11	1	230	B10P4MS07231	26	31	L10P4DMGS	15	10	P43B0007A2-C	21					
		1	13	1	230	B10P4MS10231	29	35	L10P4EMGS	17	11	P43B0010A2-C	23					
		1 1/2	17	1	230	B10P4MS15231	34	42	L10P4FMGS	20	12	P43B0015A2-C	27	PID20			SMC-CR0521	4
JP SERIES																		
10	2	1/2	8	1	115	B10P4JP05121	23	28	SL10P4CJ	13	9	P42B0005A1-C	19	PID10	22			
		1/2	8	1	230	B10P4JP05221	23	28	SL10P4CJ	13	9	P42B0005A2-C	19					
		3/4	11	1	230	B10P4JP07221	26	31	SL10P4DJ	15	10	P42B0007A2-C	23					
		1	13	1	230	B10P4JP10221	29	35	SL10P4EJ	17	11	P42B0010A2-C	25					
		1 1/2	17	1	230	B10P4JP15221	35	42	SL10P4FJ	20	12	P42B0015A2-C	29					
	3	1/2	8	1	230	B10P4JP05231	23	28	SL10P4CJ	13	9	P43B0005A2-C	19	PID10	22			
		3/4	11	1	230	B10P4JP07231	26	31	SL10P4DJ	15	10	P43B0007A2-C	21					
		1	13	1	230	B10P4JP10231	29	35	SL10P4EJ	17	11	P43B0010A2-C	23					
		1 1/2	17	1	230	B10P4JP15231	34	42	SL10P4FJ	20	12	P43B0015A2-C	27	PID20			SMC-CR0521	4

PUMP PERFORMANCE

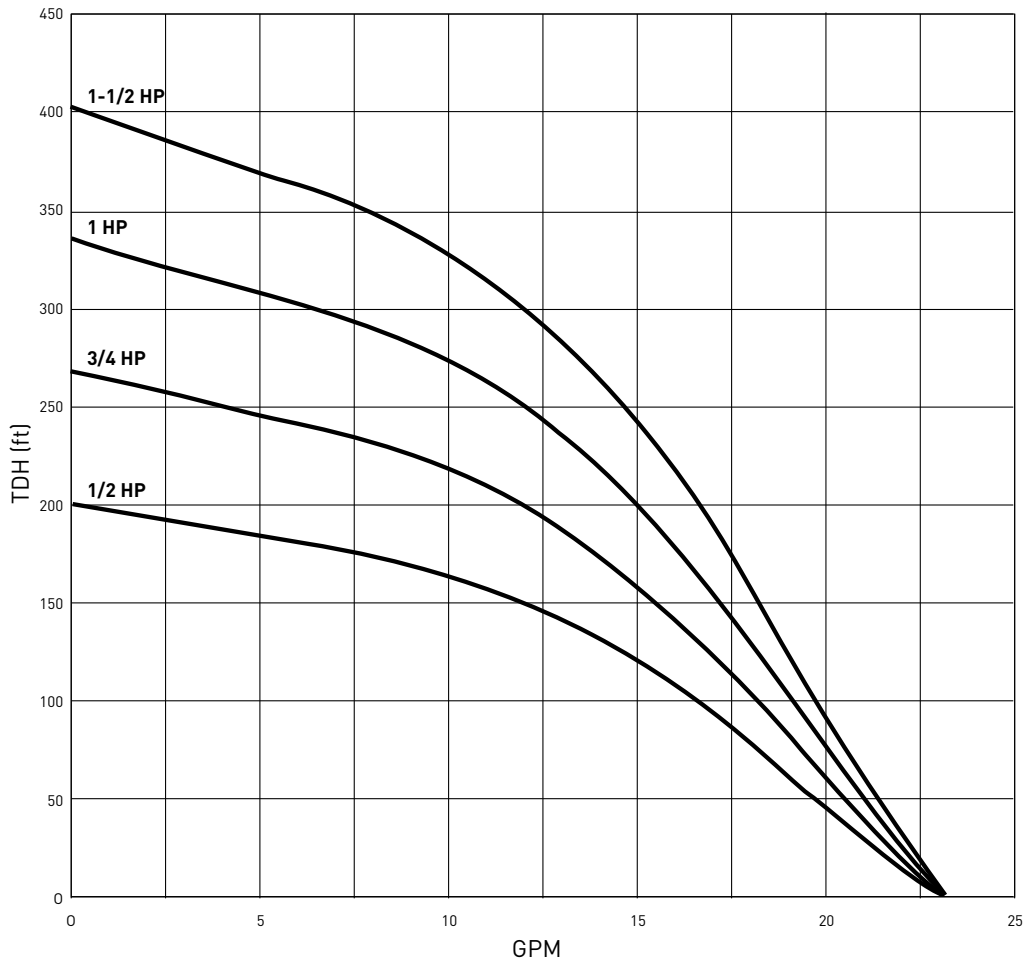


PUMP PERFORMANCE (CAPACITY IN GALLONS PER MINUTE)																												
10 GALLONS PER MINUTE																												
HP	PSI	Pumping Depth in Feet																								Shut-off Head		
		0	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	450	500	550	Feet	PSI	
1/2	0	-	-	-	-	-	14.7	13.8	12.9	11.8	10.7	9.4	8.0	6.3	4.1	-	-	-	-	-	-	-	-	-	-	-	278	120
	20	-	-	-	14.4	13.5	12.5	11.5	10.3	9.0	7.5	5.7	3.2	-	-	-	-	-	-	-	-	-	-	-	-	-		
	30	-	-	14.3	13.4	12.4	11.3	10.1	8.8	7.3	5.4	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	40	-	14.2	13.2	12.2	11.1	9.9	8.6	7.0	5.1	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	50	14.0	13.1	12.1	11.0	9.7	8.4	6.8	4.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	60	12.9	11.9	10.8	9.5	8.1	6.5	4.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	70	11.7	10.6	9.3	7.9	6.2	3.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	80	10.4	9.1	7.7	5.9	3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
3/4	0	-	-	-	-	-	-	-	14.6	14.0	13.3	12.6	11.8	11.0	10.1	9.2	8.2	7.0	5.6	3.9	-	-	-	-	-	382	165	
	20	-	-	-	-	-	14.4	13.8	13.1	12.3	11.6	10.7	9.9	8.9	7.8	6.6	5.1	3.2	-	-	-	-	-	-	-			
	30	-	-	-	15.0	14.3	13.7	13.0	12.2	11.5	10.6	9.7	8.7	7.6	6.4	4.9	2.8	-	-	-	-	-	-	-	-			
	40	-	-	14.9	14.2	13.6	12.9	12.1	11.3	10.5	9.6	8.6	7.5	6.2	4.6	2.4	-	-	-	-	-	-	-	-	-			
	50	15.4	14.8	14.1	13.5	12.7	12.0	11.2	10.3	9.4	8.4	7.3	6.0	4.3	-	-	-	-	-	-	-	-	-	-	-			
	60	14.7	14.0	13.3	12.6	11.9	11.1	10.2	9.3	8.2	7.1	5.7	4.0	-	-	-	-	-	-	-	-	-	-	-	-			
	70	13.9	13.2	12.5	11.8	10.9	10.1	9.1	8.1	6.9	5.5	3.7	-	-	-	-	-	-	-	-	-	-	-	-	-			
	80	13.1	12.4	11.6	10.8	9.9	9.0	7.9	6.7	5.3	3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1	0	-	-	-	-	-	-	-	-	14.8	14.2	13.7	13.1	12.5	11.8	11.1	10.4	9.6	8.8	7.9	6.9	5.7	-	-	-	452	195	
	20	-	-	-	-	-	-	14.6	14.1	13.5	12.9	12.3	11.6	10.9	10.2	9.4	8.5	7.6	6.6	5.3	3.8	-	-	-	-			
	30	-	-	-	-	-	14.5	14.0	13.4	12.8	12.2	11.5	10.8	10.1	9.3	8.4	7.5	6.4	5.1	3.5	-	-	-	-				
	40	-	-	-	15.0	14.5	13.9	13.3	12.7	12.1	11.4	10.7	9.9	9.1	8.3	7.3	6.2	4.9	3.2	-	-	-	-	-				
	50	-	-	14.9	14.4	13.8	13.2	12.6	12.0	11.3	10.6	9.8	9.0	8.1	7.1	6.0	4.7	2.9	-	-	-	-	-	-				
	60	-	14.8	14.3	13.7	13.1	12.5	11.9	11.2	10.5	9.7	8.9	8.0	7.0	5.8	4.4	2.6	-	-	-	-	-	-	-				
	70	14.7	14.2	13.6	13.0	12.4	11.8	11.1	10.4	9.6	8.7	7.8	6.8	5.6	4.2	2.2	-	-	-	-	-	-	-	-				
	80	14.1	13.5	12.9	12.3	11.7	11.0	10.2	9.5	8.6	7.7	6.6	5.4	3.9	-	-	-	-	-	-	-	-	-	-				
1 1/2	0	-	-	-	-	-	-	-	-	-	15.0	14.6	14.1	13.7	13.3	12.8	12.3	11.8	11.3	10.8	10.2	8.6	6.8	4.3	590	256		
	20	-	-	-	-	-	-	-	-	14.9	14.4	14.0	13.6	13.1	12.6	12.2	11.7	11.1	10.6	10.0	9.4	8.8	6.9	4.5				
	30	-	-	-	-	-	-	-	14.8	14.4	13.9	13.5	13.0	12.6	12.1	11.6	11.1	10.5	9.9	9.3	8.7	8.0	5.9	2.9				
	40	-	-	-	-	-	-	14.7	14.3	13.9	13.4	13.0	12.5	12.0	11.5	11.0	10.4	9.8	9.2	8.6	7.9	7.1	4.7	-				
	50	-	-	-	-	-	14.7	14.2	13.8	13.4	12.9	12.4	11.9	11.4	10.9	10.3	9.7	9.1	8.5	7.7	7.0	6.1	3.2	-				
	60	-	-	-	15.0	14.6	14.2	13.7	13.3	12.8	12.4	11.9	11.3	10.8	10.2	9.6	9.0	8.3	7.6	6.8	6.0	4.9	-	-				
	70	-	-	14.9	14.5	14.1	13.7	13.2	12.8	12.3	11.8	11.3	10.7	10.1	9.5	8.9	8.2	7.5	6.7	5.8	4.8	3.5	-	-				
	80	-	14.9	14.5	14.0	13.6	13.2	12.7	12.2	11.7	11.2	10.6	10.1	9.5	8.8	8.1	7.4	6.6	5.7	4.6	3.3	-	-	-				

ORDERING INFORMATION

GPM	Motor Type	HP	Stages	PH	Volt	Assembled Pump			Pump End			Motor		Drive		Control Box	
						Catalog Number	Length (in.)	Weight (lbs.)	Catalog Number	Length (in.)	Weight (lbs.)	Catalog Number	Weight (lbs.)	Catalog Number	Weight (lbs.)	Catalog Number	Weight (lbs.)
MS SERIES																	
15	2	1/2	6	1	115	B15P4MS05121	23	27	L15P4CMGS	13	9	P42B0005A1-C	19	PID10	22		
		1/2	6	1	230	B15P4MS05221	23	27	L15P4CMGS	13	9	P42B0005A2-C	19				
		3/4	8	1	230	B15P4MS07221	26	31	L15P4DMGS	15	10	P42B0007A2-C	23				
		1	10	1	230	B15P4MS10221	30	35	L15P4EMGS	17	11	P42B0010A2-C	25				
		1 1/2	12	1	230	B15P4MS15221	36	43	L15P4FMGS	21	13	P42B0015A2-C	29				
	3	1/2	6	1	230	B15P4MS05231	23	27	L15P4CMGS	13	9	P43B0005A2-C	19	PID10	22		
		3/4	8	1	230	B15P4MS07231	26	31	L15P4DMGS	15	10	P43B0007A2-C	21				
		1	10	1	230	B15P4MS10231	30	35	L15P4EMGS	17	11	P43B0010A2-C	23				
		1 1/2	12	1	230	B15P4MS15231	34	41	L15P4FMGS	21	13	P43B0015A2-C	27	PID20			
JP SERIES																	
15	2	1/2	6	1	115	B15P4JP05121	23	27	SL15P4CJ	13	9	P42B0005A1-C	19	PID10	22		
		1/2	6	1	230	B15P4JP05221	23	27	SL15P4CJ	13	9	P42B0005A2-C	19				
		3/4	8	1	230	B15P4JP07221	26	31	SL15P4DJ	15	10	P42B0007A2-C	23				
		1	10	1	230	B15P4JP10221	30	35	SL15P4EJ	17	11	P42B0010A2-C	25				
		1 1/2	12	1	230	B15P4JP15221	36	43	SL15P4FJ	21	13	P42B0015A2-C	29				
	3	1/2	6	1	230	B15P4JP05231	23	27	SL15P4CJ	13	9	P43B0005A2-C	19	PID10	22		
		3/4	8	1	230	B15P4JP07231	26	31	SL15P4DJ	15	10	P43B0007A2-C	21				
		1	10	1	230	B15P4JP10231	30	35	SL15P4EJ	17	11	P43B0010A2-C	23				
		1 1/2	12	1	230	B15P4JP15231	34	41	SL15P4FJ	21	13	P43B0015A2-C	27	PID20			

PUMP PERFORMANCE

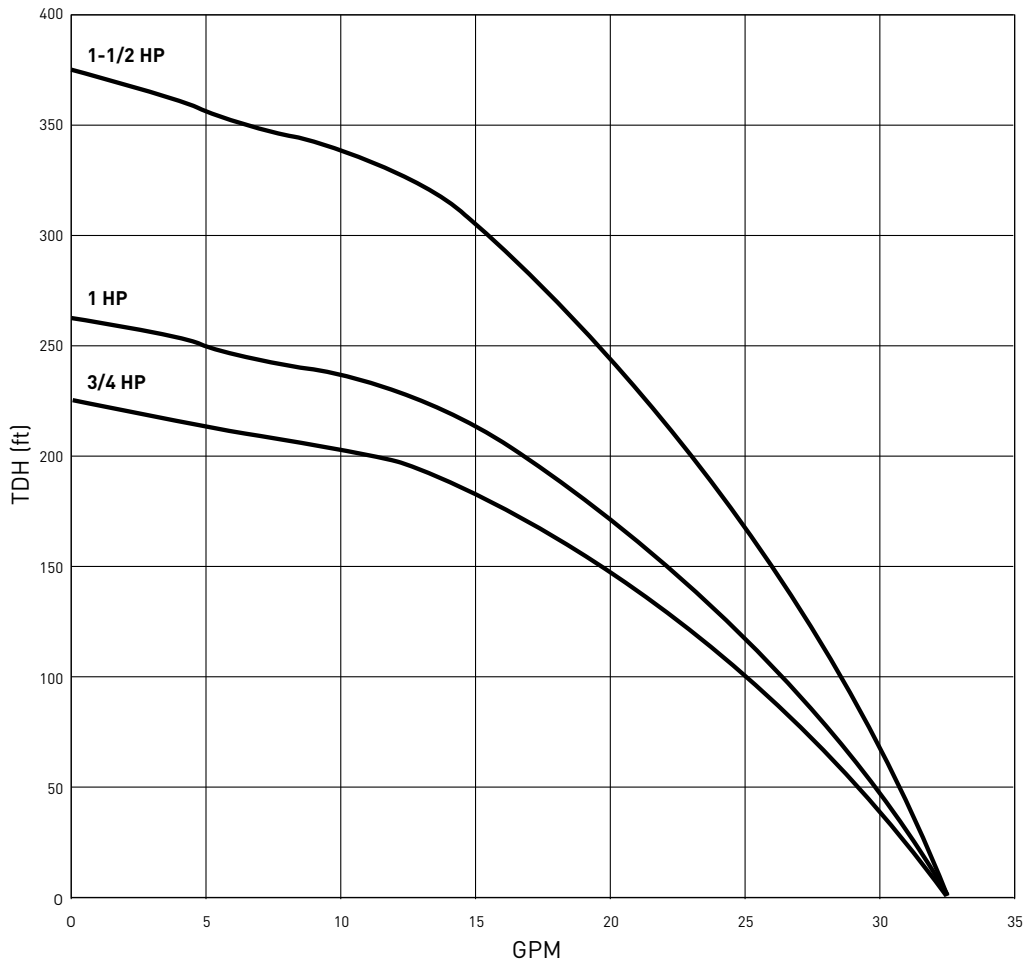


PUMP PERFORMANCE (CAPACITY IN GALLONS PER MINUTE)																								
15 GALLONS PER MINUTE																								
HP	PSI	Pumping Depth in Feet																				Shut-off Head		
		0	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	Feet	PSI
1/2	0	-	-	20.5	19.2	17.8	16.3	14.7	12.8	10.5	7.5	-	-	-	-	-	-	-	-	-	-	-	201	87
	20	20.1	18.8	17.4	15.8	14.1	12.1	9.7	6.2	-	-	-	-	-	-	-	-	-	-	-	-	-		
	30	18.6	17.1	15.6	13.8	11.8	9.2	5.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	40	16.9	15.3	13.5	11.4	8.8	4.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	50	15.1	13.2	11.0	8.3	3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	60	12.9	10.7	7.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	70	10.3	7.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	80	6.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
3/4	0	-	-	-	20.2	19.2	18.2	17.1	15.9	14.7	13.3	11.7	9.8	7.5	3.6	-	-	-	-	-	-	-	269	116
	20	20.8	19.9	18.9	17.9	16.7	15.5	14.2	12.8	11.2	9.2	6.6	-	-	-	-	-	-	-	-	-	-		
	30	19.7	18.7	17.7	16.6	15.4	14.0	12.6	10.9	8.8	6.1	-	-	-	-	-	-	-	-	-	-	-		
	40	18.6	17.5	16.4	15.2	13.8	12.3	10.6	8.5	5.5	-	-	-	-	-	-	-	-	-	-	-	-		
	50	17.3	16.2	15.0	13.6	12.1	10.3	8.1	4.8	-	-	-	-	-	-	-	-	-	-	-	-	-		
	60	16.0	14.8	13.4	11.8	10.0	7.7	4.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	70	14.5	13.1	11.5	9.7	7.3	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	80	12.9	11.3	9.3	6.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1	0	-	-	-	-	20.4	19.6	18.7	17.8	16.9	15.9	14.8	13.6	12.3	10.9	9.3	7.3	4.5	-	-	-	-	336	145
	20	-	21.0	20.2	19.3	18.5	17.5	16.6	15.5	14.4	13.2	11.9	10.4	8.7	6.6	3.2	-	-	-	-	-	-		
	30	20.9	20.1	19.2	18.3	17.4	16.4	15.4	14.3	13.0	11.7	10.2	8.4	6.2	2.4	-	-	-	-	-	-	-		
	40	19.9	19.1	18.2	17.3	16.3	15.2	14.1	12.8	11.5	9.9	8.1	5.7	-	-	-	-	-	-	-	-	-		
	50	18.9	18.0	17.1	16.1	15.0	13.9	12.6	11.3	9.7	7.8	5.3	-	-	-	-	-	-	-	-	-	-		
	60	17.9	17.0	15.9	14.9	13.7	12.4	11.0	9.4	7.5	4.8	-	-	-	-	-	-	-	-	-	-	-		
	70	16.8	15.8	14.7	13.5	12.2	10.8	9.1	7.1	4.2	-	-	-	-	-	-	-	-	-	-	-	-		
	80	15.6	14.5	13.3	12.0	10.6	8.8	6.7	3.6	-	-	-	-	-	-	-	-	-	-	-	-	-		
1 1/2	0	-	-	-	-	20.5	19.9	19.2	18.5	17.8	17.1	16.3	15.5	14.7	13.7	12.8	11.7	10.5	9.1	7.5	5.3	-	403	174
	20	-	20.9	20.3	19.7	19.0	18.3	17.6	16.9	16.1	15.3	14.4	13.4	12.4	11.3	10.1	8.7	6.9	4.3	-	-	-		
	30	20.8	20.2	19.6	18.9	18.2	17.5	16.7	16.0	15.1	14.2	13.3	12.3	11.2	9.9	8.4	6.6	3.8	-	-	-	-		
	40	20.1	19.5	18.8	18.1	17.4	16.6	15.8	15.0	14.1	13.1	12.1	11.0	9.7	8.2	6.2	3.0	-	-	-	-	-		
	50	19.4	18.7	18.0	17.3	16.5	15.7	14.9	14.0	13.0	11.9	10.8	9.5	7.9	5.9	1.8	-	-	-	-	-	-		
	60	18.6	17.9	17.1	16.4	15.6	14.7	13.8	12.8	11.8	10.6	9.2	7.6	5.5	-	-	-	-	-	-	-	-		
	70	17.8	17.0	16.3	15.4	14.6	13.7	12.7	11.6	10.4	9.0	7.3	5.1	-	-	-	-	-	-	-	-	-		
	80	16.9	16.1	15.3	14.4	13.5	12.5	11.4	10.2	8.8	7.0	4.6	-	-	-	-	-	-	-	-	-	-		

ORDERING INFORMATION

GPM	Motor Type	HP	Stages	PH	Volt	Assembled Pump			Pump End			Motor		Drive		Control Box	
						Catalog Number	Length (in.)	Weight (lbs.)	Catalog Number	Length (in.)	Weight (lbs.)	Catalog Number	Weight (lbs.)	Catalog Number	Weight (lbs.)	Catalog Number	Weight (lbs.)
MS SERIES																	
20	2	3/4	6	1	230	B20P4MS07221	24	30	L20P4DMGS	13	9	P42B0007A2-C	23	PID10	22		
		1	7	1	230	B20P4MS10221	28	34	L20P4EMGS	15	10	P42B0010A2-C	25				
		1 1/2	9	1	230	B20P4MS15221	32	39	L20P4FMGS	17	11	P42B0015A2-C	29			PID20	
	3	3/4	6	1	230	B20P4MS07231	24	30	L20P4DMGS	13	9	P43B0007A2-C	23	PID10	22	SMC-CR0721	4
		1	7	1	230	B20P4MS10231	28	34	L20P4EMGS	15	10	P43B0010A2-C	25			SMC-CR1021	4
		1 1/2	9	1	230	B20P4MS15231	31	39	L20P4FMGS	17	11	P43B0015A2-C	29			PID20	SMC-CR1521
JP SERIES																	
20	2	3/4	6	1	230	B20P4JP07221	24	30	SL20P4DJ	13	9	P42B0007A2-C	23	PID10	22		
		1	7	1	230	B20P4JP10221	28	34	SL20P4EJ	15	10	P42B0010A2-C	25				
		1 1/2	10	1	230	B20P4JP15221	32	39	SL20P4FJ	17	11	P42B0015A2-C	29			PID20	
	3	3/4	6	1	230	B20P4JP07231	24	30	SL20P4DJ	13	9	P43B0007A2-C	23	PID10	22	SMC-CR0721	4
		1	7	1	230	B20P4JP10231	28	34	SL20P4EJ	15	10	P43B0010A2-C	25			SMC-CR1021	4
		1 1/2	10	1	230	B20P4JP15231	31	39	SL20P4FJ	17	11	P43B0015A2-C	29			PID20	SMC-CR1521

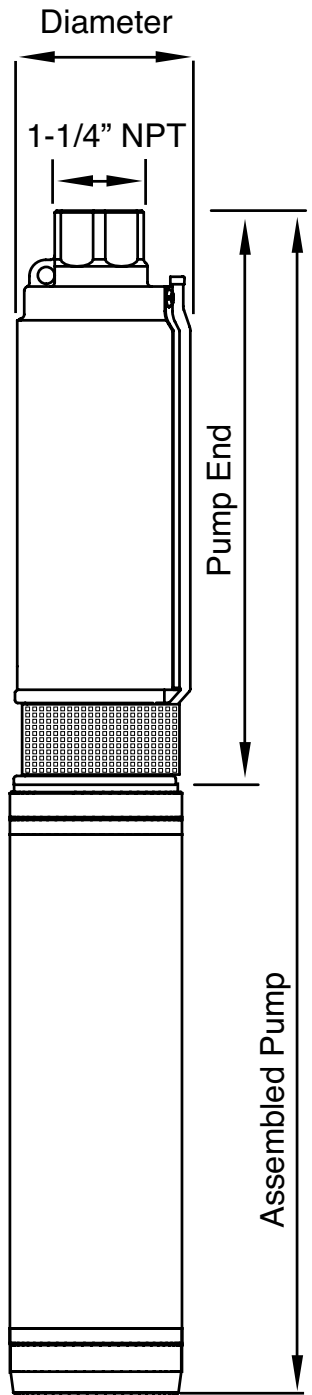
PUMP PERFORMANCE



PUMP PERFORMANCE (CAPACITY IN GALLONS PER MINUTE)																											
20 GALLONS PER MINUTE																											
HP	PSI	Pumping Depth in Feet																				Shut-Off Head					
		0	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	Feet	PSI			
3/4	0	-	-	-	-	26.9	25.0	23.0	20.7	18.1	15.1	11.3	4.9	-	-	-	-	-	-	-	-	-	225	97			
	20	-	-	26.3	24.4	22.3	19.9	17.3	14.1	9.8	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
	30	27.9	26.1	24.1	21.9	19.6	16.8	13.5	9.0	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
	40	25.8	23.8	21.6	19.2	16.4	12.9	8.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
	50	23.4	21.2	18.8	15.9	12.3	7.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
	60	20.9	18.3	15.4	11.6	5.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
	70	17.9	14.9	10.9	3.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
	80	14.3	10.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
1	0	-	-	-	-	27.9	26.4	24.7	23.0	21.0	18.9	16.5	13.6	10.0	2.8	-	-	-	-	-	-	-	262	114			
	20	-	-	27.5	25.9	24.2	22.4	20.4	18.2	15.7	12.6	8.5	-	-	-	-	-	-	-	-	-	-			-	-	
	30	-	27.2	25.6	23.9	22.1	20.1	17.8	15.2	12.1	7.6	-	-	-	-	-	-	-	-	-	-	-			-	-	-
	40	27.0	25.4	23.7	21.8	19.7	17.5	14.8	11.5	6.6	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
	50	25.1	23.4	21.5	19.4	17.1	14.3	10.9	5.5	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
	60	23.1	21.2	19.1	16.7	13.9	10.3	3.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
	70	20.9	18.7	16.3	13.4	9.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
	80	18.4	15.9	12.9	8.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
1 1/2	0	-	-	-	-	-	27.9	26.8	25.6	24.4	23.1	21.7	20.2	18.6	16.9	15.0	12.7	10.0	6.1	-	-	375	162				
	20	-	-	-	-	27.5	26.4	25.2	24.0	22.6	21.3	19.8	18.1	16.3	14.3	12.0	9.0	4.1	-	-	-			-	-	-	
	30	-	-	-	27.4	26.2	25.0	23.8	22.4	21.0	19.5	17.9	16.0	14.0	11.6	8.4	2.6	-	-	-	-			-	-	-	-
	40	-	-	27.2	26.0	24.8	23.6	22.2	20.8	19.3	17.6	15.7	13.6	11.1	7.8	-	-	-	-	-	-			-	-	-	-
	50	-	27.0	25.8	24.6	23.4	22.0	20.6	19.0	17.3	15.4	13.3	10.7	7.2	-	-	-	-	-	-	-			-	-	-	-
	60	26.8	25.7	24.4	23.2	21.8	20.3	18.8	17.0	15.1	12.9	10.2	6.5	-	-	-	-	-	-	-	-			-	-	-	-
	70	25.5	24.2	23.0	21.6	20.1	18.5	16.8	14.8	12.5	9.7	5.6	-	-	-	-	-	-	-	-	-			-	-	-	-
	80	24.1	22.7	21.4	19.9	18.2	16.5	14.5	12.2	9.2	4.7	-	-	-	-	-	-	-	-	-	-			-	-	-	-

OUTLINE DIMENSIONS: 10, 15 AND 20 GPM

DIAMETER (in inches)	
5, 7 GPM	3-3/4
10, 15, 20 GPM	3-7/8



For lengths, refer to Ordering Information tables.
 Dimensions (in inches) are for estimating purposes only.



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Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.