PENTAIR BERKELEY

PRODUCT CATALOG

# 4" SUBMERSIBLE PUMPS

## 1/2 HP TO 1-1/2 HP



DESIGN & ASSEMBLY IN THE USA

pentair.com

B11575 (02-15-23)

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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. We've gone 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, enjoy even greater performance receiving more depth and/or more flow than before with heads to 800 feet and flows up to 27 gallons.

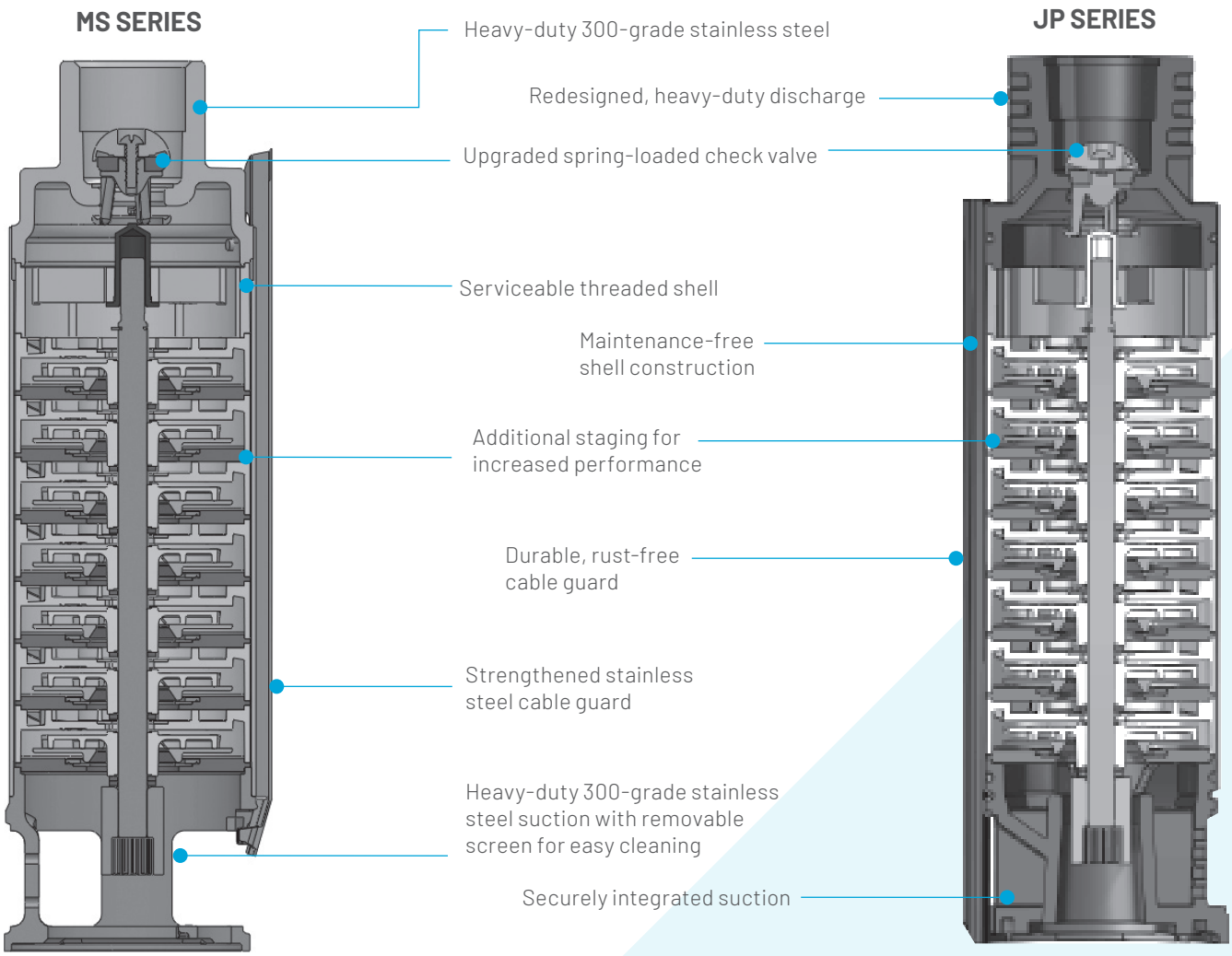
### KEEP AHEAD OF THE CURVE

Our increased staging also gives you more than competitive pumps at like horsepower and rated flow. Reference this tool to show you how our pumps compare to the top competitors. Visit https://www.pentair.com/pumps.html to compare your pump.

### RELIABILITY

With choices between stainless steel and super tough composite discharges that both include a spring-loaded check valve, we continue to deliver the reliable pumps our customers and the market expects.

## PRODUCT IMPROVEMENTS



# BERKELEY 4" SUBMERSIBLE PUMPS 1/2 HP TO 1-1/2 HP

## 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.

**Pentek® XE Series Motor:** Our powerful, encapsulated submersible 2 and 3 wire motors drive all of our pumps.

POWERED BY PENTEK®

NSF/ANSI 61 Drinking Water

C US

## SPECIFICATIONS

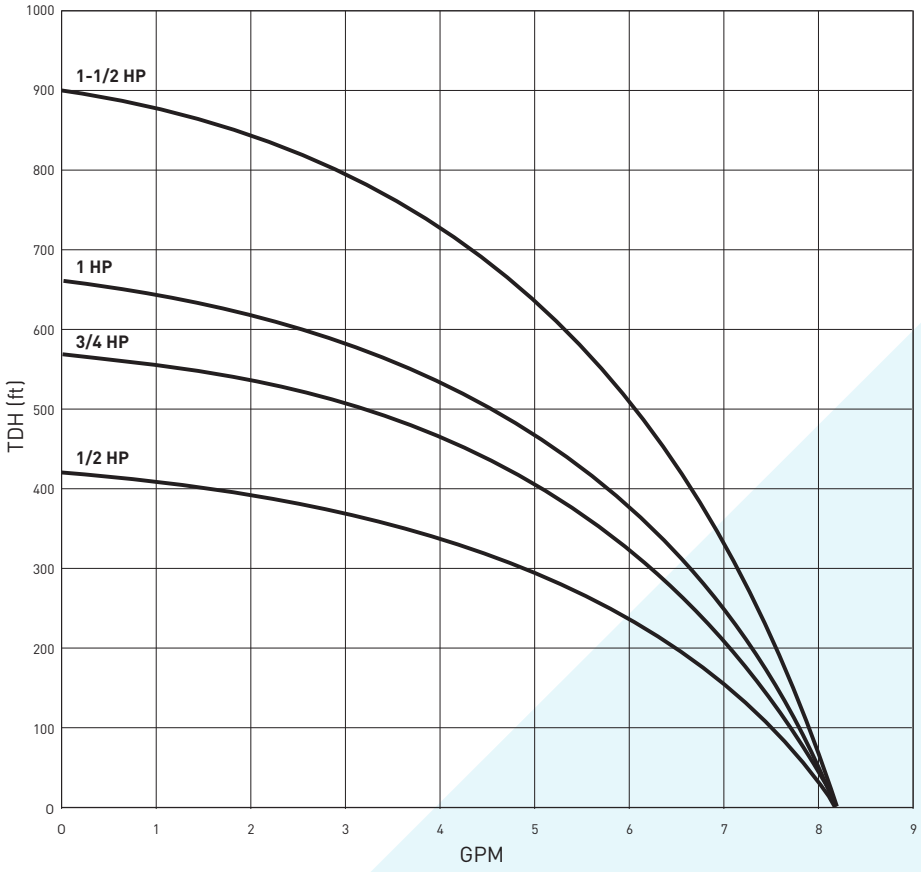
| | MS SERIES | JP SERIES |
|---|---|---|
| **SUCTION/DISCHARGE** | | |
| Material | 300-Grade Stainless Steel | Nylon 610 (Composite) |
| **SCREEN** | | |
| Type | Serviceable | Integrated |
| Material | 300-Grade Stainless Steel | Nylon 610 |
| **CABLE GUARD** | | |
| Material | 300-Grade Stainless 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 |

## 5 GPM SUBMERSIBLE PUMP

### ORDERING INFORMATION

| GPM | MOTOR TYPE | HP | STAGES | PH | VOLT | ASSEMBLED PUMP | | | PUMP END | | | MOTOR | | DRIVE | | CONTROL BOX | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | CAT. NO. | LENGTH (IN.) | WT. (LBS.) | CAT. NO. | LENGTH (IN.) | WT. (LBS.) | CAT. NO. | WT. (LBS.) | CAT. NO. | WT. (LBS.) | CAT. NO. | WT. (LBS.) |
| **MS SERIES** | | | | | | | | | | | | | | | | | |
| 5 | 2 WIRE | 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 WIRE | 1/2 | 14 | 1 | 230 | B5P4MS05231 | 28 | 28 | L5P4CMGS | 18 | 12 | P43B0005A2-C | 18 | PID10 | | 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 WIRE | 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 WIRE | 1/2 | 14 | 1 | 230 | B5P4JP05231 | 28 | 28 | SL5P4CJ | 18 | 12 | P43B0005A2-C | 18 | PID10 | | 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



# BERKELEY 4" SUBMERSIBLE PUMPS 1/2 HP TO 1-1/2 HP

## PUMP PERFORMANCE CAPACITY IN GALLONS PER MINUTE

**5 GALLONS PER MINUTE**

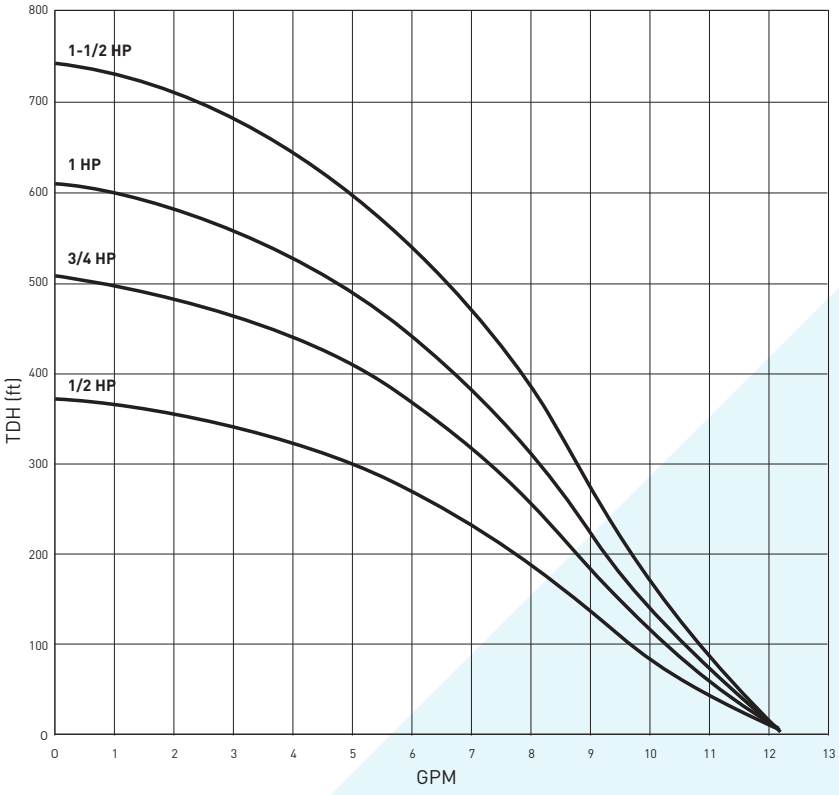
| HP | PSI | PUMPING DEPTH IN FEET | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | SHUT-OFF HEAD | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | 340 | 360 | 380 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 | FEET | PSI |
| 1/2 | 0 | - | - | - | - | - | - | - | 7.3 | 7.0 | 6.8 | 6.5 | 6.2 | 5.9 | 5.6 | 5.2 | 4.9 | 4.4 | 4.0 | 3.5 | 2.9 | 2.1 | - | - | - | - | - | - | - | - | - | 421 | 182 |
| | 20 | - | - | - | - | 7.5 | 7.2 | 7.0 | 6.7 | 6.4 | 6.1 | 5.8 | 5.5 | 5.1 | 4.7 | 4.3 | 3.9 | 3.3 | 2.7 | 1.7 | - | - | - | - | - | - | - | - | - | - | - | | |
| | 30 | - | - | - | 7.4 | 7.2 | 6.9 | 6.6 | 6.4 | 6.1 | 5.7 | 5.4 | 5.1 | 4.7 | 4.2 | 3.8 | 3.2 | 2.5 | 1.5 | - | - | - | - | - | - | - | - | - | - | - | - | | |
| | 40 | - | - | 7.4 | 7.1 | 6.9 | 6.6 | 6.3 | 6.0 | 5.7 | 5.4 | 5.0 | 4.6 | 4.2 | 3.7 | 3.1 | 2.4 | 1.3 | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| | 50 | - | 7.4 | 7.1 | 6.8 | 6.6 | 6.3 | 6.0 | 5.6 | 5.3 | 4.9 | 4.5 | 4.1 | 3.6 | 3.0 | 2.3 | 1.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| | 60 | 7.3 | 7.1 | 6.8 | 6.5 | 6.2 | 5.9 | 5.6 | 5.3 | 4.9 | 4.5 | 4.0 | 3.5 | 2.9 | 2.1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| | 70 | 7.0 | 6.8 | 6.5 | 6.2 | 5.9 | 5.5 | 5.2 | 4.8 | 4.4 | 4.0 | 3.4 | 2.8 | 2.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| | 80 | 6.7 | 6.4 | 6.1 | 5.8 | 5.5 | 5.1 | 4.8 | 4.3 | 3.9 | 3.4 | 2.7 | 1.8 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| 3/4 | 0 | - | - | - | - | - | - | - | - | - | 7.4 | 7.2 | 7.0 | 6.8 | 6.6 | 6.4 | 6.2 | 6.0 | 5.7 | 5.5 | 5.2 | 5.0 | 4.2 | 3.2 | 1.8 | - | - | - | - | - | - | 571 | 247 |
| | 20 | - | - | - | - | - | - | - | 7.3 | 7.1 | 7.0 | 6.8 | 6.6 | 6.3 | 6.1 | 5.9 | 5.7 | 5.4 | 5.1 | 4.9 | 4.6 | 4.3 | 3.3 | 2.0 | - | - | - | - | - | - | - | | |
| | 30 | - | - | - | - | - | 7.5 | 7.3 | 7.1 | 6.9 | 6.7 | 6.5 | 6.3 | 6.1 | 5.9 | 5.6 | 5.4 | 5.1 | 4.8 | 4.5 | 4.2 | 3.9 | 2.8 | - | - | - | - | - | - | - | - | | |
| | 40 | - | - | - | - | 7.5 | 7.3 | 7.1 | 6.9 | 6.7 | 6.5 | 6.3 | 6.1 | 5.8 | 5.6 | 5.3 | 5.1 | 4.8 | 4.5 | 4.2 | 3.8 | 3.4 | 2.1 | - | - | - | - | - | - | - | - | | |
| | 50 | - | - | - | 7.4 | 7.3 | 7.1 | 6.9 | 6.7 | 6.5 | 6.2 | 6.0 | 5.8 | 5.5 | 5.3 | 5.0 | 4.7 | 4.4 | 4.1 | 3.7 | 3.3 | 2.9 | - | - | - | - | - | - | - | - | - | | |
| | 60 | - | - | 7.4 | 7.2 | 7.0 | 6.8 | 6.6 | 6.4 | 6.2 | 6.0 | 5.7 | 5.5 | 5.2 | 5.0 | 4.7 | 4.4 | 4.1 | 3.7 | 3.3 | 2.8 | 2.2 | - | - | - | - | - | - | - | - | - | | |
| | 70 | - | 7.4 | 7.2 | 7.0 | 6.8 | 6.6 | 6.4 | 6.2 | 5.9 | 5.7 | 5.5 | 5.2 | 4.9 | 4.6 | 4.3 | 4.0 | 3.6 | 3.2 | 2.7 | 2.1 | 1.2 | - | - | - | - | - | - | - | - | - | | |
| | 80 | 7.4 | 7.2 | 7.0 | 6.8 | 6.6 | 6.4 | 6.1 | 5.9 | 5.7 | 5.4 | 5.2 | 4.9 | 4.6 | 4.3 | 3.9 | 3.6 | 3.1 | 2.6 | 2.0 | - | - | - | - | - | - | - | - | - | - | - | | |
| 1 | 0 | - | - | - | - | - | - | - | - | - | - | 7.5 | 7.3 | 7.1 | 7.0 | 6.8 | 6.6 | 6.4 | 6.3 | 6.1 | 5.9 | 5.7 | 5.1 | 4.5 | 3.8 | 2.8 | 1.2 | - | - | - | - | 661 | 286 |
| | 20 | - | - | - | - | - | - | - | - | 7.4 | 7.3 | 7.1 | 6.9 | 6.7 | 6.6 | 6.4 | 6.2 | 6.0 | 5.8 | 5.6 | 5.4 | 5.2 | 4.5 | 3.8 | 2.9 | 1.4 | - | - | - | - | - | | |
| | 30 | - | - | - | - | - | - | 7.5 | 7.4 | 7.2 | 7.1 | 6.9 | 6.7 | 6.5 | 6.4 | 6.2 | 6.0 | 5.8 | 5.6 | 5.3 | 5.1 | 4.9 | 4.2 | 3.4 | 2.3 | - | - | - | - | - | - | | |
| | 40 | - | - | - | - | - | 7.5 | 7.4 | 7.2 | 7.0 | 6.9 | 6.7 | 6.5 | 6.3 | 6.1 | 5.9 | 5.7 | 5.5 | 5.3 | 5.1 | 4.8 | 4.6 | 3.9 | 3.0 | 1.6 | - | - | - | - | - | - | | |
| | 50 | - | - | - | - | 7.5 | 7.3 | 7.2 | 7.0 | 6.8 | 6.7 | 6.5 | 6.3 | 6.1 | 5.9 | 5.7 | 5.5 | 5.3 | 5.0 | 4.8 | 4.5 | 4.3 | 3.5 | 2.4 | - | - | - | - | - | - | - | | |
| | 60 | - | - | - | 7.5 | 7.3 | 7.2 | 7.0 | 6.8 | 6.6 | 6.5 | 6.3 | 6.1 | 5.9 | 5.7 | 5.5 | 5.2 | 5.0 | 4.8 | 4.5 | 4.2 | 3.9 | 3.1 | 1.7 | - | - | - | - | - | - | - | | |
| | 70 | - | - | 7.4 | 7.3 | 7.1 | 7.0 | 6.8 | 6.6 | 6.4 | 6.2 | 6.1 | 5.9 | 5.6 | 5.4 | 5.2 | 5.0 | 4.7 | 4.5 | 4.2 | 3.9 | 3.6 | 2.5 | - | - | - | - | - | - | - | - | | |
| | 80 | - | 7.4 | 7.3 | 7.1 | 6.9 | 6.8 | 6.6 | 6.4 | 6.2 | 6.0 | 5.8 | 5.6 | 5.4 | 5.2 | 4.9 | 4.7 | 4.4 | 4.1 | 3.8 | 3.5 | 3.1 | 1.9 | - | - | - | - | - | - | - | - | | |
| 1 1/2 | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | 7.5 | 7.4 | 7.3 | 7.2 | 7.1 | 6.9 | 6.8 | 6.7 | 6.4 | 6.0 | 5.6 | 5.2 | 4.8 | 4.3 | 3.8 | 3.1 | 2.2 | 901 | 390 |
| | 20 | - | - | - | - | - | - | - | - | - | - | - | 7.5 | 7.4 | 7.3 | 7.1 | 7.0 | 6.9 | 6.8 | 6.6 | 6.5 | 6.4 | 6.0 | 5.7 | 5.3 | 4.8 | 4.3 | 3.8 | 3.2 | 2.3 | - | | |
| | 30 | - | - | - | - | - | - | - | - | - | - | 7.5 | 7.4 | 7.2 | 7.1 | 7.0 | 6.9 | 6.8 | 6.6 | 6.5 | 6.4 | 6.2 | 5.9 | 5.5 | 5.1 | 4.6 | 4.1 | 3.5 | 2.8 | 1.8 | - | | |
| | 40 | - | - | - | - | - | - | - | - | - | 7.5 | 7.3 | 7.2 | 7.1 | 7.0 | 6.9 | 6.7 | 6.6 | 6.5 | 6.3 | 6.2 | 6.1 | 5.7 | 5.3 | 4.9 | 4.4 | 3.8 | 3.2 | 2.4 | - | - | | |
| | 50 | - | - | - | - | - | - | 7.7 | 7.6 | 7.4 | 7.3 | 7.2 | 7.1 | 7.0 | 6.8 | 6.7 | 6.6 | 6.5 | 6.3 | 6.2 | 6.0 | 5.9 | 5.5 | 5.1 | 4.6 | 4.1 | 3.6 | 2.9 | 1.9 | - | - | | |
| | 60 | - | - | - | - | - | - | 7.5 | 7.4 | 7.3 | 7.2 | 7.1 | 6.9 | 6.8 | 6.7 | 6.6 | 6.4 | 6.3 | 6.2 | 6.0 | 5.9 | 5.7 | 5.3 | 4.9 | 4.4 | 3.9 | 3.3 | 2.5 | - | - | - | | |
| | 70 | - | - | - | - | - | 7.5 | 7.4 | 7.3 | 7.2 | 7.1 | 6.9 | 6.8 | 6.7 | 6.5 | 6.4 | 6.3 | 6.1 | 6.0 | 5.8 | 5.7 | 5.5 | 5.1 | 4.7 | 4.2 | 3.6 | 2.9 | 2.0 | - | - | - | | |
| | 80 | - | - | - | - | 7.5 | 7.4 | 7.3 | 7.2 | 7.0 | 6.9 | 6.8 | 6.7 | 6.5 | 6.4 | 6.3 | 6.1 | 6.0 | 5.8 | 5.7 | 5.5 | 5.4 | 4.9 | 4.5 | 3.9 | 3.3 | 2.5 | 1.3 | - | - | - | | |

# 7 GPM SUBMERSIBLE PUMP

## ORDERING INFORMATION

| GPM | MOTOR TYPE | HP | STAGES | PH | VOLT | ASSEMBLED PUMP | | | PUMP END | | | MOTOR | | DRIVE | | CONTROL BOX | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | CAT. NO. | LENGTH (IN.) | WT. (LBS.) | CAT. NO. | LENGTH (IN.) | WT. (LBS.) | CAT. NO. | WT. (LBS.) | CAT. NO. | WT. (LBS.) | CAT. NO. | WT. (LBS.) |
| **MS SERIES** | | | | | | | | | | | | | | | | | |
| 7 | 2 WIRE | 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 | PID20 | | | |
| | 3 WIRE | 1/2 | 11 | 1 | 230 | B7P4MS05231 | 26 | 27 | L7P4CMGS | 16 | 11 | P43B0005A2-C | 19 | PID10 | | SMC-CR0521 | 4 |
| | | 3/4 | 15 | 1 | 230 | B7P4MS07231 | 30 | 32 | L7P4DMGS | 19 | 13 | P43B0007A2-C | 21 | | | SMC-CR0721 | 4 |
| | | 1 | 18 | 1 | 230 | B7P4MS10231 | 34 | 37 | L7P4EMGS | 22 | 15 | P43B0010A2-C | 23 | | | SMC-CR1021 | 4 |
| | | 1 1/2 | 22 | 1 | 230 | B7P4MS15231 | 42 | 47 | L7P4FMGS | 28 | 17 | P43B0015A2-C | 27 | PID20 | | SMC-CR1521 | 7 |
| **JP SERIES** | | | | | | | | | | | | | | | | | |
| 7 | 2 WIRE | 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 | PID20 | | | |
| | 3 WIRE | 1/2 | 11 | 1 | 230 | B7P4JP05231 | 26 | 27 | SL7P4CJL | 16 | 11 | P43B0005A2-C | 19 | PID10 | | SMC-CR0521 | 4 |
| | | 3/4 | 15 | 1 | 230 | B7P4JP07231 | 30 | 32 | SL7P4DJL | 19 | 13 | P43B0007A2-C | 21 | | | SMC-CR0721 | 4 |
| | | 1 | 18 | 1 | 230 | B7P4JP10231 | 34 | 37 | SL7P4EJL | 22 | 15 | P43B0010A2-C | 23 | | | SMC-CR1021 | 4 |
| | | 1 1/2 | 22 | 1 | 230 | B7P4JP15231 | 42 | 47 | SL7P4FJL | 28 | 17 | P43B0015A2-C | 27 | PID20 | | SMC-CR1521 | 7 |

## PUMP PERFORMANCE



# BERKELEY 4" SUBMERSIBLE PUMPS 1/2 HP TO 1-1/2 HP

## PUMP PERFORMANCE CAPACITY IN GALLONS PER MINUTE

**7 GALLONS PER MINUTE**

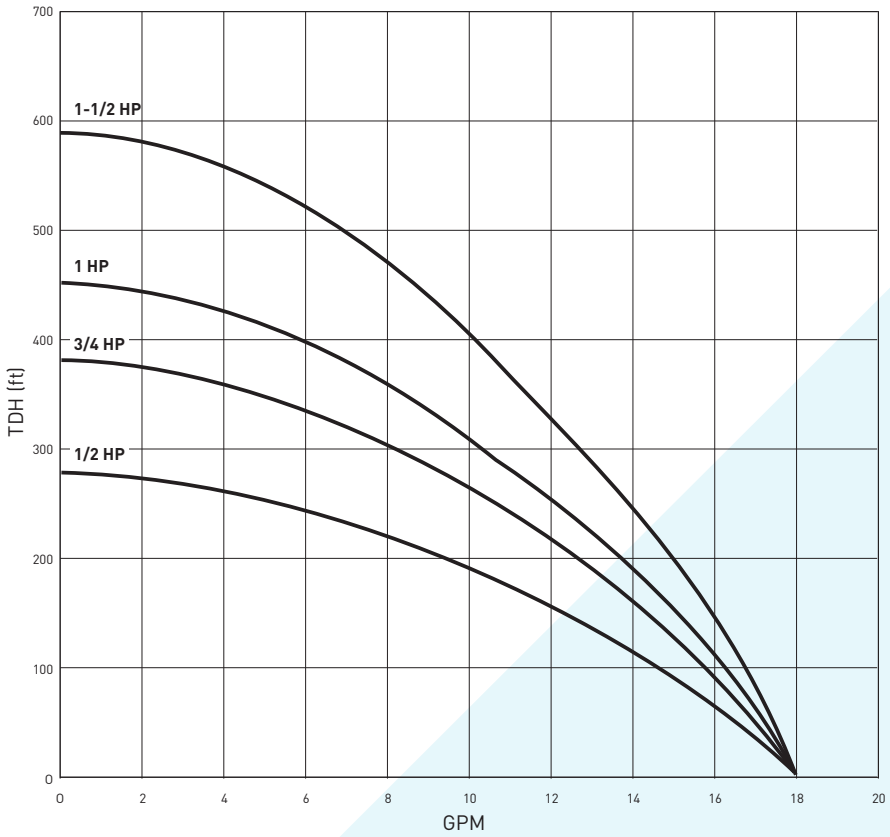
| HP | PSI | PUMPING DEPTH IN FEET | | | | | | | | | | | | | | | | | | | | | | | | | | | SHUT-OFF HEAD | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 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 | 8.0 | 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 | - | - | - | - | | |

# 10 GPM SUBMERSIBLE PUMP

## ORDERING INFORMATION

| GPM | MOTOR TYPE | HP | STAGES | PH | VOLT | ASSEMBLED PUMP | | | PUMP END | | | MOTOR | | DRIVE | | CONTROL BOX | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | CAT. NO. | LENGTH (IN.) | WT. (LBS.) | CAT. NO. | LENGTH (IN.) | WT. (LBS.) | CAT. NO. | WT. (LBS.) | CAT. NO. | WT. (LBS.) | CAT. NO. | WT. (LBS.) |
| **MS SERIES** | | | | | | | | | | | | | | | | | |
| 10 | 2 WIRE | 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 | PID20 | | | |
| | 3 WIRE | 1/2 | 8 | 1 | 230 | B10P4MS05231 | 23 | 28 | L10P4CMGS | 13 | 9 | P43B0005A2-C | 19 | PID10 | | SMC-CR0521 | 4 |
| | | 3/4 | 11 | 1 | 230 | B10P4MS07231 | 26 | 31 | L10P4DMGS | 15 | 10 | P43B0007A2-C | 21 | | | SMC-CR0721 | 4 |
| | | 1 | 13 | 1 | 230 | B10P4MS10231 | 29 | 35 | L10P4EMGS | 17 | 11 | P43B0010A2-C | 23 | | | SMC-CR1021 | 4 |
| | | 1 1/2 | 17 | 1 | 230 | B10P4MS15231 | 34 | 42 | L10P4FMGS | 20 | 12 | P43B0015A2-C | 27 | PID20 | | SMC-CR1521 | 7 |
| **JP SERIES** | | | | | | | | | | | | | | | | | |
| 10 | 2 WIRE | 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 | PID20 | | | |
| | 3 WIRE | 1/2 | 8 | 1 | 230 | B10P4JP05231 | 23 | 28 | SL10P4CJ | 13 | 9 | P43B0005A2-C | 19 | PID10 | | SMC-CR0521 | 4 |
| | | 3/4 | 11 | 1 | 230 | B10P4JP07231 | 26 | 31 | SL10P4DJ | 15 | 10 | P43B0007A2-C | 21 | | | SMC-CR0721 | 4 |
| | | 1 | 13 | 1 | 230 | B10P4JP10231 | 29 | 35 | SL10P4EJ | 17 | 11 | P43B0010A2-C | 23 | | | SMC-CR1021 | 4 |
| | | 1 1/2 | 17 | 1 | 230 | B10P4JP15231 | 34 | 42 | SL10P4FJ | 20 | 12 | P43B0015A2-C | 27 | PID20 | | SMC-CR1521 | 7 |

## PUMP PERFORMANCE



# BERKELEY 4" SUBMERSIBLE PUMPS 1/2 HP TO 1-1/2 HP

## PUMP PERFORMANCE CAPACITY IN GALLONS PER MINUTE

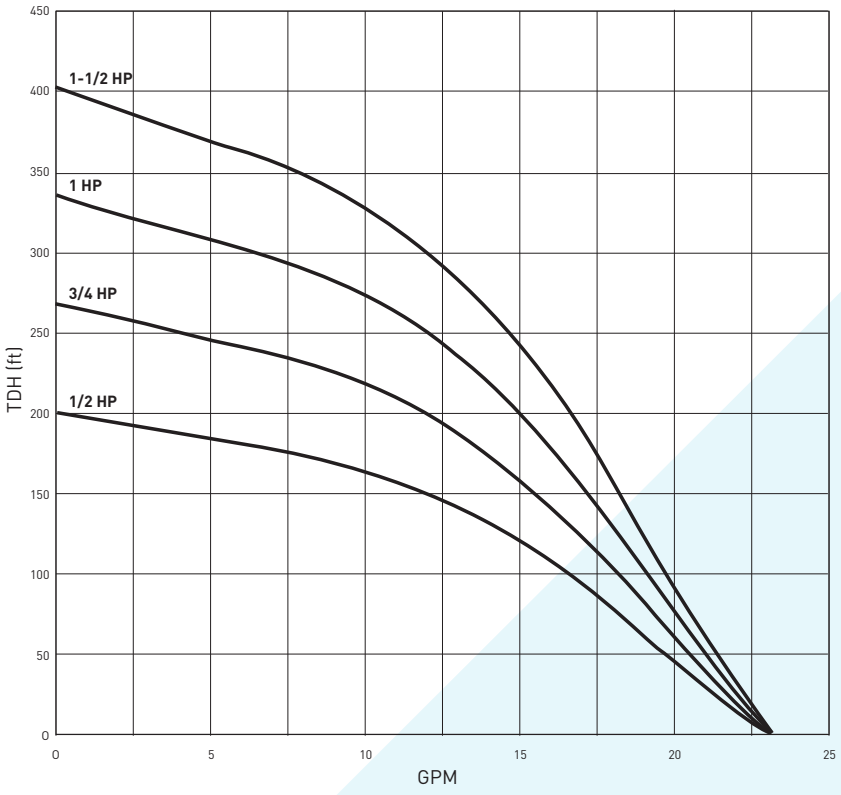
| 10 GALLONS PER MINUTE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HP | PSI | PUMPING DEPTH IN FEET | | | | | | | | | | | | | | | | | | | | | | | | | SHUT-OFF HEAD | |
| | | 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 | - | - | - | - | | |

## 15 GPM SUBMERSIBLE PUMP

### ORDERING INFORMATION

| GPM | MOTOR TYPE | HP | STAGES | PH | VOLT | ASSEMBLED PUMP | | | PUMP END | | | MOTOR | | DRIVE | | CONTROL BOX | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | CAT. NO. | LENGTH (IN.) | WT. (LBS.) | CAT. NO. | LENGTH (IN.) | WT. (LBS.) | CAT. NO. | WT. (LBS.) | CAT. NO. | WT. (LBS.) | CAT. NO. | WT. (LBS.) |
| **MS SERIES** | | | | | | | | | | | | | | | | | |
| 15 | 2 WIRE | 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 | PID20 | | | |
| | 3 WIRE | 1/2 | 6 | 1 | 230 | B15P4MS05231 | 23 | 27 | L15P4CMGS | 13 | 9 | P43B0005A2-C | 19 | PID10 | | SMC-CR0521 | 4 |
| | | 3/4 | 8 | 1 | 230 | B15P4MS07231 | 26 | 31 | L15P4DMGS | 15 | 10 | P43B0007A2-C | 21 | | | SMC-CR0721 | 4 |
| | | 1 | 10 | 1 | 230 | B15P4MS10231 | 30 | 35 | L15P4EMGS | 17 | 11 | P43B0010A2-C | 23 | | | SMC-CR1021 | 4 |
| | | 1 1/2 | 12 | 1 | 230 | B15P4MS15231 | 34 | 41 | L15P4FMGS | 21 | 13 | P43B0015A2-C | 27 | PID20 | | SMC-CR1521 | 7 |
| **JP SERIES** | | | | | | | | | | | | | | | | | |
| 15 | 2 WIRE | 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 | PID20 | | | |
| | 3 WIRE | 1/2 | 6 | 1 | 230 | B15P4JP05231 | 23 | 27 | SL15P4CJ | 13 | 9 | P43B0005A2-C | 19 | PID10 | | SMC-CR0521 | 4 |
| | | 3/4 | 8 | 1 | 230 | B15P4JP07231 | 26 | 31 | SL15P4DJ | 15 | 10 | P43B0007A2-C | 21 | | | SMC-CR0721 | 4 |
| | | 1 | 10 | 1 | 230 | B15P4JP10231 | 30 | 35 | SL15P4EJ | 17 | 11 | P43B0010A2-C | 23 | | | SMC-CR1021 | 4 |
| | | 1 1/2 | 12 | 1 | 230 | B15P4JP15231 | 34 | 41 | SL15P4FJ | 21 | 13 | P43B0015A2-C | 27 | PID20 | | SMC-CR1521 | 7 |

### PUMP PERFORMANCE



# BERKELEY 4" SUBMERSIBLE PUMPS 1/2 HP TO 1-1/2 HP

## PUMP PERFORMANCE CAPACITY IN GALLONS PER MINUTE

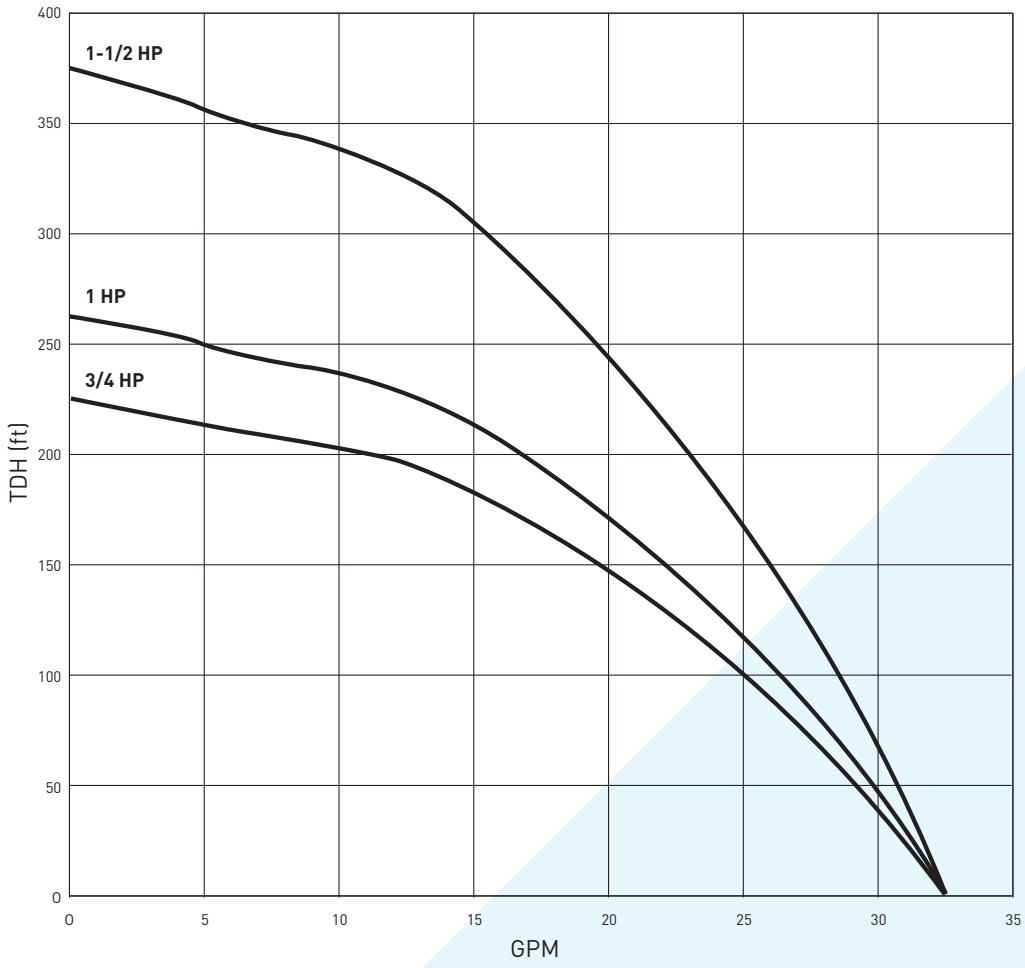
| 15 GALLONS PER MINUTE | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HP | PSI | PUMPING DEPTH IN FEET | | | | | | | | | | | | | | | | | | | | | SHUT-OFF HEAD | |
| | | 0 | 20 | 40 | 60 | 80 | 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 | - | - | - | - | - | - | - | - | - | - | | |

## 20 GPM SUBMERSIBLE PUMP

### ORDERING INFORMATION

| GPM | MOTOR TYPE | HP | STAGES | PH | VOLT | ASSEMBLED PUMP | | | PUMP END | | | MOTOR | | DRIVE | | CONTROL BOX | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | CAT. NO. | LENGTH (IN.) | WT. (LBS.) | CAT. NO. | LENGTH (IN.) | WT. (LBS.) | CAT. NO. | WT. (LBS.) | CAT. NO. | WT. (LBS.) | CAT. NO. | WT. (LBS.) |
| **MS SERIES** | | | | | | | | | | | | | | | | | |
| 20 | 2 WIRE | 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 | 10 | 1 | 230 | B20P4MS15221 | 32 | 39 | L20P4FMGS | 17 | 11 | P42B0015A2-C | 29 | PID20 | | | |
| | 3 WIRE | 3/4 | 6 | 1 | 230 | B20P4MS07231 | 24 | 30 | L20P4DMGS | 13 | 9 | P43B0007A2-C | 23 | PID10 | | SMC-CR0721 | 4 |
| | | 1 | 7 | 1 | 230 | B20P4MS10231 | 28 | 34 | L20P4EMGS | 15 | 10 | P43B0010A2-C | 25 | | | SMC-CR1021 | 4 |
| | | 1 1/2 | 10 | 1 | 230 | B20P4MS15231 | 31 | 39 | L20P4FMGS | 17 | 11 | P43B0015A2-C | 29 | PID20 | | SMC-CR1521 | 7 |
| **JP SERIES** | | | | | | | | | | | | | | | | | |
| 20 | 2 WIRE | 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 WIRE | 3/4 | 6 | 1 | 230 | B20P4JP07231 | 24 | 30 | SL20P4DJ | 13 | 9 | P43B0007A2-C | 23 | PID10 | | 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 | 7 |

### PUMP PERFORMANCE



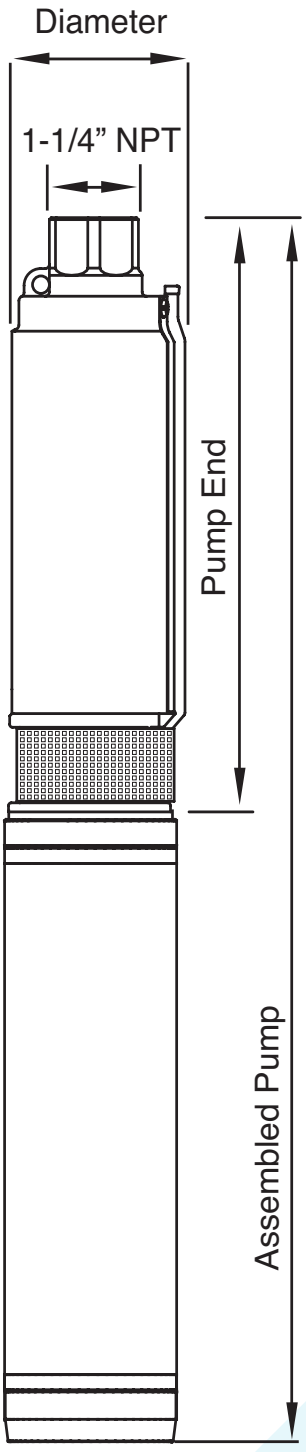
# BERKELEY 4" SUBMERSIBLE PUMPS 1/2 HP TO 1-1/2 HP

## 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

| 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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B11575WS (02-15-23)