

BERKELEY® JP Composite Series 4" Submersible Pumps — 5 and 7 GPM TrimLine™



POWERED BY
PENTEK®



Precision-engineered, corrosion-resistant 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 proven 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

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 – Corrosion-resistant fiberglass reinforced thermoplastic for durability in aggressive water. Large wrench flats 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 Series™ Motor – 2 and 3 wire NEMA standard all stainless construction water filled motors.

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BERKELEY® JP Composite Series

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| 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 | B5P4JP05121 | 27-1/2 | 29 | SL5P4CJ | 18 | 12 | P42B0005A1 | 19 | | |
| | | 1/2 | 13 | 1 | 230 | B5P4JP05221 | 27-1/2 | 29 | SL5P4CJ | 18 | 12 | P42B0005A2 | 19 | | |
| | | 3/4 | 18 | 1 | 230 | B5P4JP07221 | 32-3/4 | 34 | SL5P4DJ | 22 | 15 | P42B0007A2 | 23 | | |
| | | 1 | 22 | 1 | 230 | B5P4JP10221 | 37 | 38 | SL5P4EJ | 25-1/4 | 17 | P42B0010A2 | 25 | | |
| | | 1-1/2 | 30 | 1 | 230 | B5P4JP15221 | 47 | 45 | SL5P4FJ | 32 | 21 | P42B0015A2 | 29 | | |
| | 3 Wire | 1/2 | 13 | 1 | 115 | B5P4JP05131 | 27-1/2 | 29 | SL5P4CJ | 18 | 12 | P43B0005A1 | 19 | SMC-IR0511 | 4 |
| | | 1/2 | 13 | 1 | 230 | B5P4JP05231 | 27-1/2 | 29 | SL5P4CJ | 18 | 12 | P43B0005A2 | 18 | SMC-CR0521 | 4 |
| | | 3/4 | 18 | 1 | 230 | B5P4JP07231 | 32-3/4 | 24 | SL5P4DJ | 22 | 15 | P43B0007A2 | 21 | SMC-CR0721 | 4 |
| | | 1 | 22 | 1 | 230 | B5P4JP10231 | 37 | 38 | SL5P4EJ | 25-1/4 | 17 | P43B0010A2 | 23 | SMC-CR1021 | 4 |
| | | 1 | 22 | 3 | 230 | | | | SL5P4EJ | 25-1/4 | 17 | P43B0010A3 | 23 | | |
| | | 1 | 22 | 3 | 460 | | | | SL5P4EJ | 25-1/4 | 17 | P43B0010A4 | 23 | | |
| | | 1-1/2 | 30 | 1 | 230 | B5P4JP15231 | 45-1/2 | 45 | SL5P4FJ | 32 | 21 | P43B0015A2 | 27 | SMC-CR1521 | 7 |
| | | 1-1/2 | 30 | 3 | 230 | | | | SL5P4FJ | 32 | 21 | P43B0015A3 | 23 | | |
| | 1-1/2 | 30 | 3 | 460 | | | | SL5P4FJ | 32 | 21 | P43B0015A4 | 23 | | | |
| 7 | 2 Wire | 1/2 | 10 | 1 | 115 | B7P4JP05121 | 25-1/2 | 27 | SL7P4CJ | 16 | 12 | P42B0005A1 | 19 | | |
| | | 1/2 | 10 | 1 | 230 | B7P4JP05221 | 25-1/2 | 27 | SL7P4CJ | 16 | 12 | P42B0005A2 | 19 | | |
| | | 3/4 | 13 | 1 | 230 | B7P4JP07221 | 29 | 32 | SL7P4DJ | 18-1/2 | 15 | P42B0007A2 | 23 | | |
| | | 1 | 17 | 1 | 230 | B7P4JP10221 | 33-3/4 | 37 | SL7P4EJ | 22 | 17 | P42B0010A2 | 25 | | |
| | | 1-1/2 | 22 | 1 | 230 | B7P4JP15221 | 42-1/2 | 47 | SL7P4FJ | 27-1/4 | 21 | P42B0015A2 | 29 | | |
| | 3 Wire | 1/2 | 10 | 1 | 115 | B7P4JP05131 | 25-1/2 | 27 | SL7P4CJ | 16 | 12 | P43B0005A1 | 19 | SMC-IR0511 | 4 |
| | | 1/2 | 10 | 1 | 230 | B7P4JP05231 | 25-1/2 | 27 | SL7P4CJ | 16 | 12 | P43B0005A2 | 18 | SMC-CR0521 | 4 |
| | | 3/4 | 13 | 1 | 230 | B7P4JP07231 | 29 | 32 | SL7P4DJ | 18-1/2 | 15 | P43B0007A2 | 21 | SMC-CR0721 | 4 |
| | | 1 | 17 | 1 | 230 | B7P4JP10231 | 33-3/4 | 37 | SL7P4EJ | 22 | 17 | P43B0010A2 | 23 | SMC-CR1021 | 4 |
| | | 1 | 17 | 3 | 230 | | | | SL7P4EJ | 22 | 17 | P43B0010A3 | 23 | | |
| | | 1 | 17 | 3 | 460 | | | | SL7P4EJ | 22 | 17 | P43B0010A4 | 23 | | |
| | | 1-1/2 | 22 | 1 | 230 | B7P4JP15231 | 41 | 44 | SL7P4FJ | 27-1/4 | 21 | P43B0015A2 | 27 | SMC-CR1521 | 7 |
| | | 1-1/2 | 22 | 3 | 230 | | | | SL7P4FJ | 27-1/4 | 21 | P43B0015A3 | 23 | | |
| | 1-1/2 | 22 | 3 | 460 | | | | SL7P4FJ | 27-1/4 | 21 | P43B0015A4 | 23 | | | |

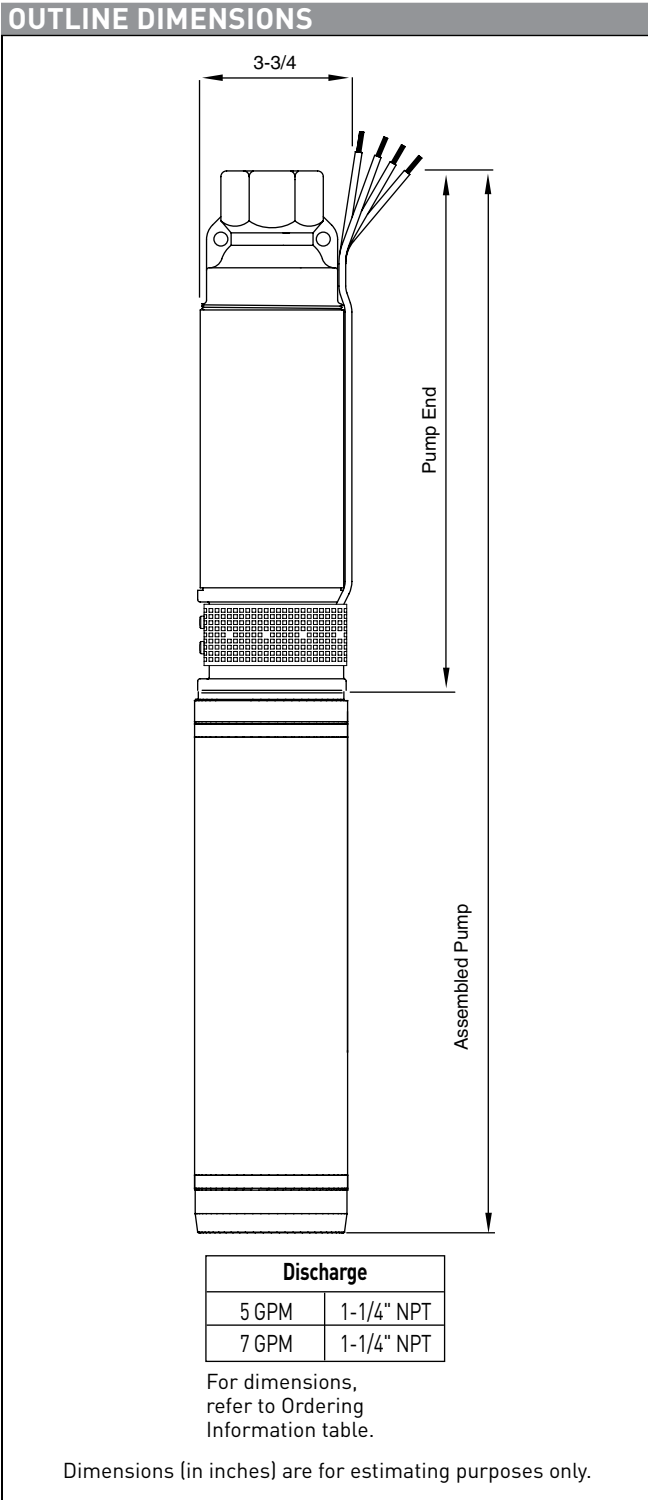
*Length and Weight are approximate.

TrimLine™ version maximum outside diameter 3-3/4". Standard version maximum outside diameter 3-7/8".

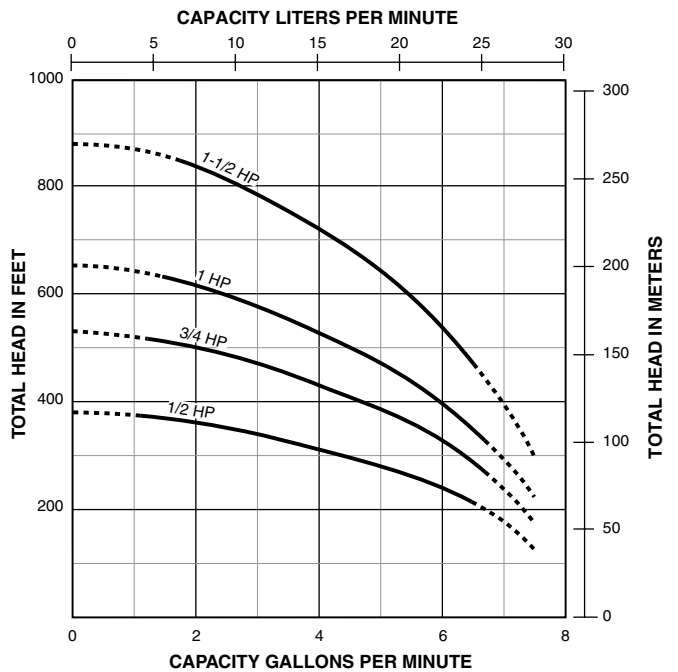
NOTE: Motor, Control Box or Magnetic Starter must be ordered separately.

Discharge NPT is 1-1/4".

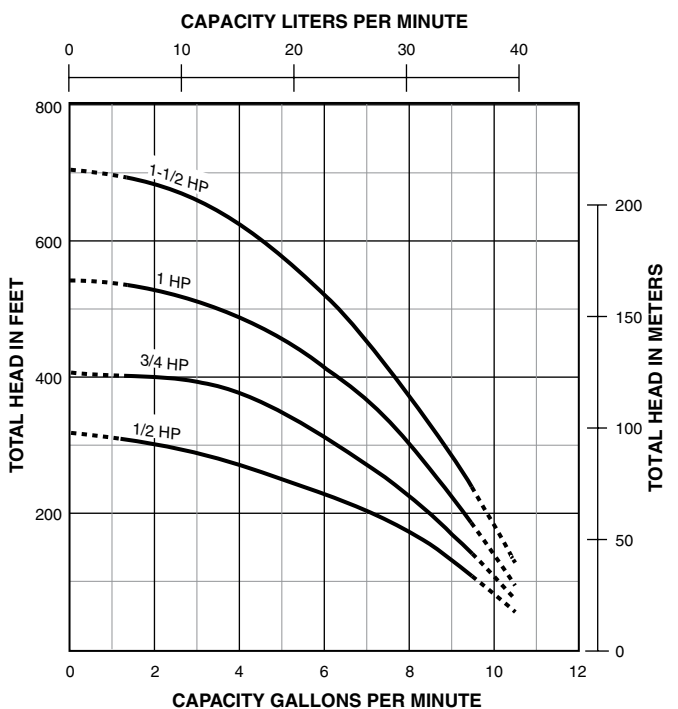
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PUMP PERFORMANCE - 5 GPM



PUMP PERFORMANCE - 7 GPM



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.

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4" Submersible Pumps — 5 and 7 GPM TrimLine™

