# **MYERS®** Quick Prime Self-Priming Centrifugal Pump

**Myers® powerful high head 5 HP self-priming pump delivers strong dependable performance for the most demanding jobs. The heavy duty 84JM motor, brass impeller, and large capacity rugged cast iron pump end deliver reliable and continuous high performance service.**

## APPLICATIONS

- **Industrial/commercial applications requiring large flow rates...** sprinkler systems; irrigation; booster service; water transfer, circulation and supply; dewatering, fire protection

## SPECIFICATIONS

- High tensile cast iron pump case and motor bracket
- Brass impeller
- Ceramic/glass composite diffuser with stainless steel wear ring

## FEATURES

**Powerful Performance** – Maximum head of 178 feet (77 psi) and flow capabilities to 135 gpm

**Heavy Duty Motor** – Full frame 184JM design, extra large, double-ball bearings, non-overloading, continuous duty rating, strong capacitor start, single or three phase options

**Brass Impellers** – Precision machines and balanced for smooth, quiet operation

**Quick Priming** – Large case for maximum water retention to insure quick and easy priming, true self-priming design with top suction inlet retains water in case and maintains the prime, exclusive diffuser plate with stainless steel impeller wear ring for fast priming

**Mechanical Shaft Seal** – Precision lapped and polished carbon/ceramic faces, Buna elastomers, and stainless steel metal components, top suction pump design prevents the seal from running dry

**Easy Serviceability** – Convenient back pull-out design

## ORDERING INFORMATION

| Catalog Number | Pipe Sizes | | Motor Voltage | Phase | Max. Amps | Approx. Wt. Lbs. |
|---|---|---|---|---|---|---|
| | Suct. | Disch. | | | | |
| **QP50B** | 2-1/2" | 2" | 230 | 1 | 29.0 | 58 |
| **QP50B-3** | 2-1/2" | 2" | 207/230/460 | 3 | 13.4/13.2/6.6 | 61 |

NOTE: This table is based on copper wire. If aluminum wire is used it must be two sizes larger. Example: When the table calls for #12 copper wire you would use #10 aluminum wire.

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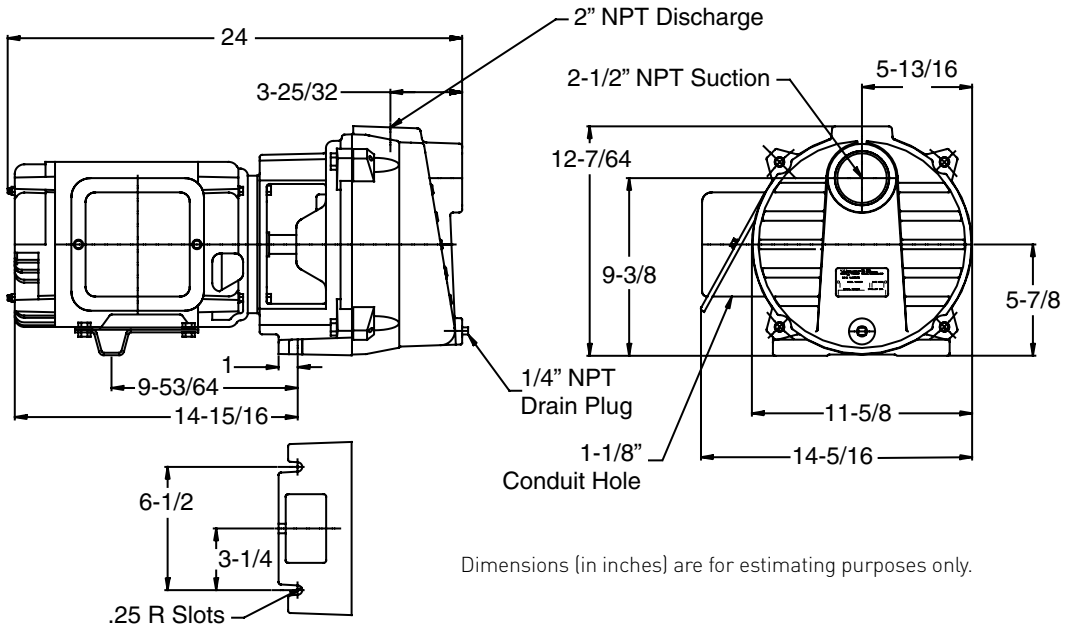
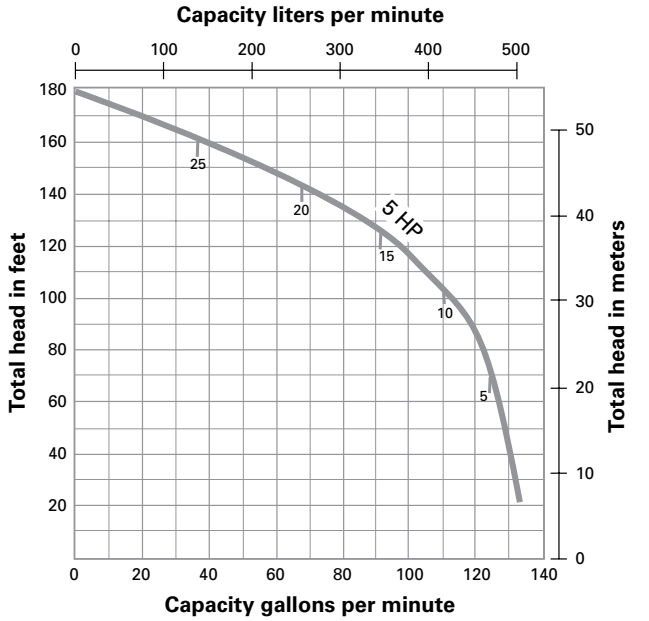
## OUTLINE DIMENSIONS




Dimensions (in inches) are for estimating purposes only.

## PUMP PERFORMANCE




## PUMP PERFORMANCE

| Total Suct. in Feet | Discharge Pressure (GPM) | | | | | Max. Pressure (psi) | Pipe Size | |
|---|---|---|---|---|---|---|---|---|
| | 10 psi | 20 psi | 30 psi | 40 psi | 50 psi | | Suct. | Disch. |
| 0 | | | 126 | 120 | 104 | 77 | 2-1/2 | 2 |
| 5 | 125 | 123 | 113 | 107 | 98 | 75 | | |
| 10 | 110 | 108 | 107 | 103 | 88 | 72 | | |
| 15 | 91 | 90 | 88 | 84 | 80 | 70 | | |
| 20 | 67 | 65 | 63 | 62 | 40 | 63 | | |

## CABLE SELECTION

| Motor Rating | | Copper Wire Size | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Voltage | Phase | 14 | 12 | 10 | 8 | 6 | 4 | 2 | 0 |
| 230 | 1 | | | | 150 | 250 | 400 | 625 | 1000 |
| 207 | 3 | | | 160 | 250 | 400 | 640 | 1020 | 1630 |
| 230 | 3 | | 130 | 210 | 340 | 540 | 850 | 1360 | 2160 |
| 460 | 3 | 330 | 530 | 850 | 1350 | 2150 | 3422 | 5440 | 8650 |

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PENTAIR

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