MYERS® QUICK PRIME 5 HP HIGH HEAD SELF-PRIMING CENTRIFUGAL PUMP

MYERS powerful high head 5 hp selfpriming pump delivers strong dependable performance for the most demanding

jobs. The heavy duty motor, brass impeller, and large capacity rugged cast iron pump end deliver reliable and continuous high performance service. For more details, contact your MYERS distributor or MYERS headquarters located in Ashland, Ohio (Since 1870) at 419-289-6898

ADVANTAGES BY DESIGN

• Powerful Performance

- maximum head of 178 feet (77 psi)
- 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

Rugged Pump Case and Motor Bracket

- high tensile cast iron

• Lead-Free Brass Impeller

- precision machined and balanced for smooth, quiet operation

Quick Priming

- large case for maximum water retention for 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

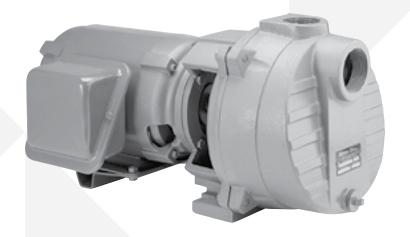
- precision lapped and polished carbon/ceramic faces, elastomers, and stainless steel metal components
- top suction pump design prevents the seal from running dry

• Corrosion Resistant Design

- lead-free brass impeller
- ceramic/glass composite diffuser with stainless steel wear ring
- durable enamel paint applied to inside and outside of castings

Easy Serviceability

- convenient back pull-out design





PUMP SPECIFICATIONS

| Catalog No. | | apping es | Motor Voltage | Phase | Max. Amps | |
|----------------|--------------|--------------|------------------|-------|---------------|--|
| NU. | Suct. Disch. | | vollage | | Allips | |
| QP50B | 2 1/2" | 2" | 230 | 1 | 29.0 | |
| QP50B-3 | 2 1/2' | 2" | 208/230/460 | 3 | 13.4/13.2/6.6 | |

APPLICATIONS

- Sprinkler SystemsIrrigation
- Booster Service
- Water Transfer, Circulation, and Supply
- Dewatering
- Fire Protection
- Industrial/Commercial Applications Requiring Large Flow Rates

CABLE SELECTION

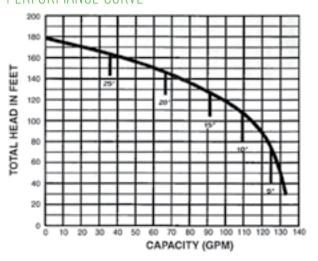
| Motor Rating | | | Copper Wire Size | | | | | | | |
|--------------|---------|-------|------------------|-----|-----|------|------|------|------|------|
| | Voltage | Phase | 14 | 12 | 10 | 8 | 6 | 4 | 2 | 0 |
| | 230 | 1 | | | | 150 | 250 | 400 | 625 | 1000 |
| | 208 | 3 | | | 160 | 250 | 400 | 640 | 1020 | 1630 |
| | 230 | 3 | | 130 | 210 | 340 | 540 | 850 | 1360 | 2160 |
| | 460 | 3 | 330 | 530 | 850 | 1350 | 2150 | 3422 | 5440 | 8650 |

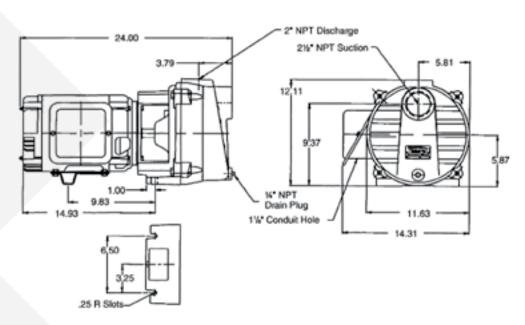
This table Is based on copper wire. If aluminum wire is used it must be two sizes larger. Example: When the table calls for #12 copper wire you would use #10 aluminum wire.

PUMP PERFORMANCE

| Total Suction | Discharge Pressure (GPM) | | | | | Max. Pressure | Pipe Size | |
|------------------|-----------------------------|--------|--------|--------|--------|------------------|-----------|--------|
| in Feet | 10 psi | 20 psi | 30 psi | 40 psi | 50 psi | (psi) | Suct. | Disch. |
| 0 | 134 | 130 | 126 | 120 | 104 | 77 | | 2 |
| 5 | 125 | 123 | 113 | 107 | 98 | 75 | | |
| 10 | 110 | 108 | 107 | 103 | 88 | 72 | 2 1/2 | |
| 15 | 91 | 90 | 88 | 84 | 80 | 70 | | |
| 20 | 67 | 65 | 63 | 62 | 40 | 63 | | |

PERFORMANCE CURVE







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