

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

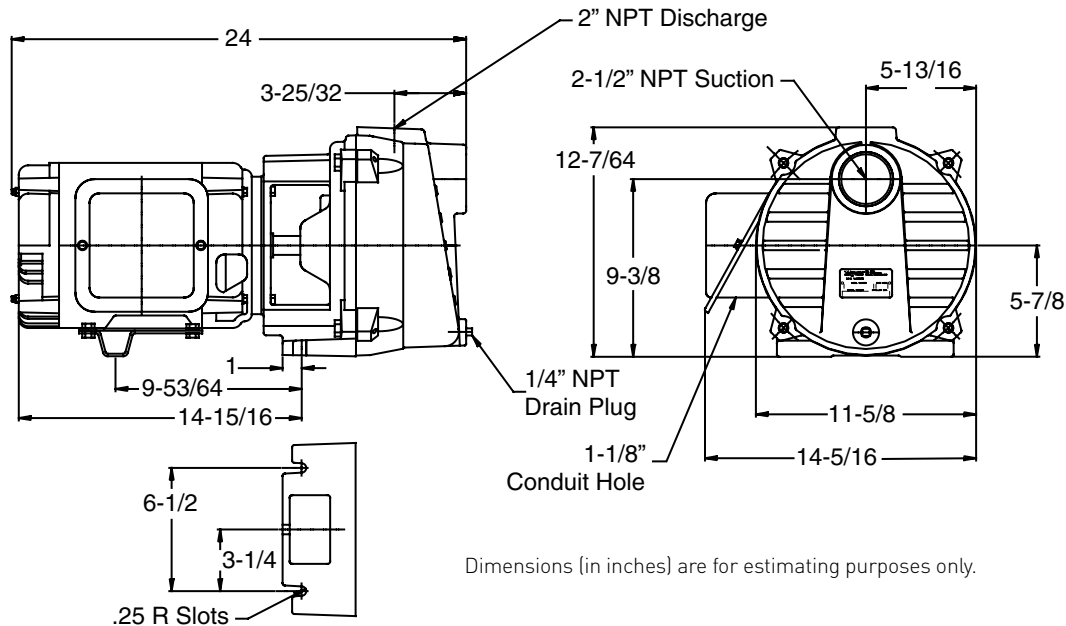
ORDERING INFORMATION

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

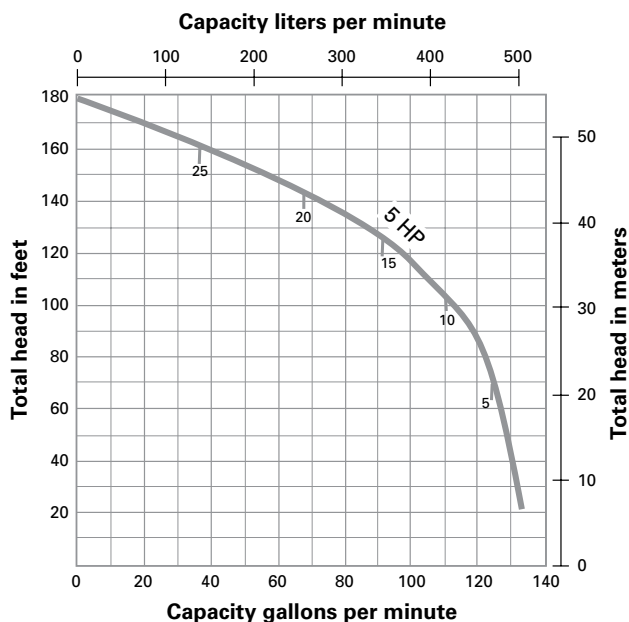
NOTE: This table is based on copper wire. If aluminum wire is used it must be two sizes larger. Example: When the table calls for #12 copper wire you would use #10 aluminum wire.

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OUTLINE DIMENSIONS



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
230	1				150	250	400	625
207	3			160	250	400	640	1020
230	3		130	210	340	540	850	1360
460	3	330	530	850	1350	2150	3422	5440

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