



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

Pentair Myers powerful 5 HP High Head Self-Priming Pump delivers strong dependable performance for the most demanding jobs. The heavy-duty motor, brass impeller and large-capacity cast iron pump end deliver reliable and continuous high performance service.

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

◆ Easy Serviceability

- Convenient back pull-out design



◆ Mechanical Shaft Seal

- Precision lapped and polished carbon and 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 and glass composite diffuser with stainless steel wear ring
- Durable enamel paint applied to inside and outside of castings

PUMP SPECIFICATIONS

Catalog No.	Pipe Tapping Sizes		Motor Voltage	Phase	Max. Amps
	Suct.	Disch.			
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 Systems
- ◆ Irrigation
- ◆ Booster Service
- ◆ Water Transfer, Circulation and Supply
- ◆ Dewatering
- ◆ Fire Protection
- ◆ Industrial/Commercial Applications Requiring Large Flow Rates

CABLE SELECTION

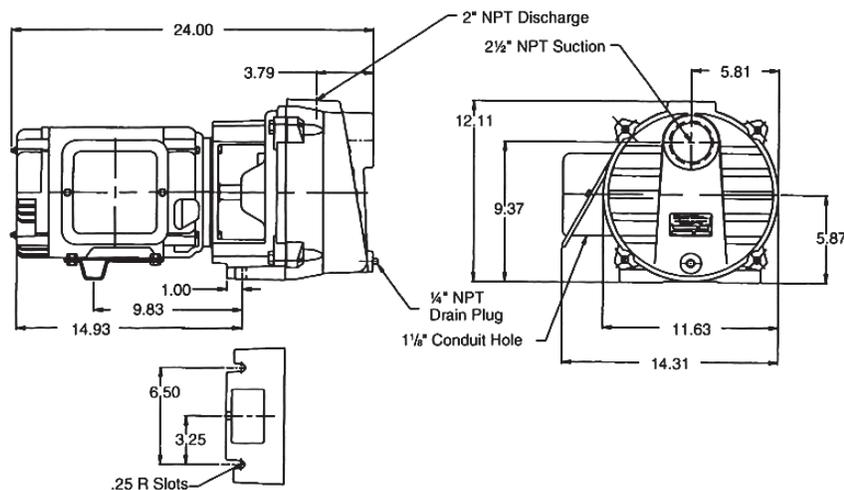
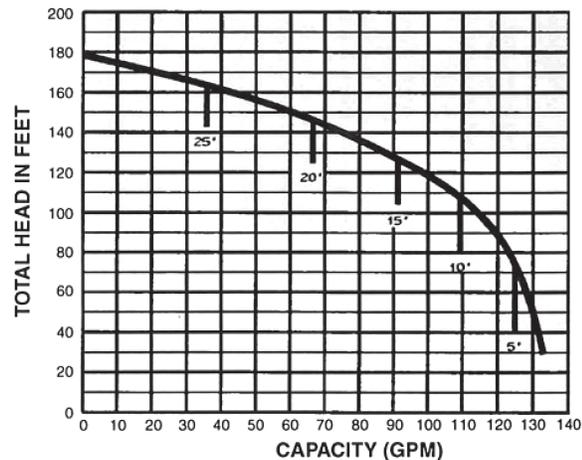
Motor Rating		Copper Wire Size							
Voltage	Phase	14	12	10	8	6	4	2	0
230	1	—	—	—	150	250	400	625	1000
208	3	—	—	160	250	400	640	1020	1630
230	3	—	130	210	340	540	850	1360	2160
460	3	330	530	850	1350	2150	3422	5440	8650

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 IN FEET	DISCHARGE PRESSURE (GPM)					MAX. PRESSURE (PSI)	PIPE SIZE	
	10 PSI	20 PSI	30 PSI	40 PSI	50 PSI		SUCT.	DISCH.
0	134	130	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		

PERFORMANCE CURVE



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