



# 4" submersible pumps – 5 and 7 gpm TrimLine™



*Precision-engineered, high-quality, rugged MGS Stainless Steel Series Pumps deliver efficient, dependable performance even in rough, aggressive water.*

*The TrimLine™ 5 and 7 GPM Series Pumps are 3-3/4" maximum O.D. Heads to 1,150 feet and capacities to 10.5 GPM. Built to deliver long-term, trouble-free service. Floating impeller design resists sand and reduces sand locking. These pumps feature the SignaSeal™ staging system.*

### APPLICATIONS

■ **Water systems...** for residential, industrial, commercial, multiple housing and farm use.

### SPECIFICATIONS

- Shell** – Stainless steel
- Discharge** – Stainless steel
- 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** – Stainless steel
- Intake Screen** – Stainless steel
- Cable Guard** – Stainless steel
- Agency Listings** – CSA
- Check Valve** – Acetal

## MGS STAINLESS STEEL

### FEATURES

**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 300 grade stainless steel for durability in aggressive water. Large octagon wrench area for ease of installation.

**Discharge Bearing** – Exclusive self-lubricating Nylatron® bearing resists wear from sand.

**Intake** – Corrosion-resistant 300 grade stainless steel 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** – Highest grade, 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 spring-loaded check valve.

**Cable Guard** – Corrosion-resistant stainless steel guard protects motor leads. Tapered ends prevent pump from catching on well.

**Intake Screen** – Corrosion-resistant stainless steel.

**PENTEK® XE Motor** – 2 and 3 wire NEMA standard all stainless construction water filled motors.

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In order to provide the best products possible, specifications are subject to change.



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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	B5P4MS05121	27-1/2	28	L5P4CMGS	18	12	P42B0005A1	19		
		1/2	13	1	230	B5P4MS05221	27-1/2	28	L5P4CMGS	18	12	P42B0005A2	19		
		3/4	18	1	230	B5P4MS07221	32-3/4	34	L5P4DMGS	22	15	P42B0007A2	23		
		1	22	1	230	B5P4MS10221	37	39	L5P4EMGS	25-1/4	17	P42B0010A2	25		
		1-1/2	30	1	230	B5P4MS15221	47	51	L5P4FMGS	32	21	P42B0015A2	29		
	3 Wire	1/2	13	1	115	B5P4MS05131	27-1/2	28	L5P4CMGS	18	12	P43B0005A1	19	SMC-IR0511	4
		1/2	13	1	230	B5P4MS05231	27-1/2	28	L5P4CMGS	18	12	P43B0005A2	18	SMC-CR0521	4
		3/4	18	1	230	B5P4MS07231	32-3/4	34	L5P4DMGS	22	15	P43B0007A2	21	SMC-CR0721	4
		1	22	1	230	B5P4MS10231	37	39	L5P4EMGS	25-1/4	17	P43B0010A2	23	SMC-CR1021	4
		1-1/2	30	1	230	B5P4MS15231	45-1/2	48	L5P4FMGS	32	21	P43B0015A2	27	SMC-CR1521	7
		1-1/2	30	3	230				L5P4FMGS	32	21	P43B0015A3	23		
		1-1/2	30	3	460				L5P4FMGS	32	21				
		2	38	1	230				L5P4GMGS	37-3/4	25	P43B0020A2	31	SMC-CR2021	7
		2	38	3	230				L5P4GMGS	37-3/4	25	P43B0020A3	23		
2	38	3	460				L5P4GMGS	37-3/4	25						
7	2 Wire	1/2	10	1	115	B7P4MS05121	25-1/2	27	L7P4CMGS	16	11	P42B0005A1	19		
		1/2	10	1	230	B7P4MS05221	25-1/2	27	L7P4CMGS	16	11	P42B0005A2	19		
		3/4	13	1	230	B7P4MS07221	29	32	L7P4DMGS	18-1/2	13	P42B0007A2	23		
		1	17	1	230	B7P4MS10221	33-3/4	37	L7P4EMGS	22	15	P42B0010A2	25		
		1-1/2	22	1	230	B7P4MS15221	42-1/2	47	L7P4FMGS	27-1/4	17	P42B0015A2	29		
	3 Wire	1/2	10	1	115	B7P4MS05131	25-1/2	27	L7P4CMGS	16	11	P43B0005A1	19	SMC-IR0511	4
		1/2	10	1	230	B7P4MS05231	25-1/2	27	L7P4CMGS	16	11	P43B0005A2	18	SMC-CR0521	4
		3/4	13	1	230	B7P4MS07231	29	32	L7P4DMGS	18-1/2	13	P43B0007A2	21	SMC-CR0721	4
		1	17	1	230	B7P4MS10231	33-3/4	37	L7P4EMGS	22	15	P43B0010A2	23	SMC-CR1021	4
		1-1/2	22	1	230	B7P4MS15231	41	44	L7P4FMGS	27-1/4	17	P43B0015A2	27	SMC-CR1521	7
		1-1/2	22	3	230				L7P4FMGS	27-1/4	17	P43B0015A3	23		
		1-1/2	22	3	460				L7P4FMGS	27-1/4	17				
		2	28	1	230				L7P4GMGS	32-1/2	20	P43B0020A2	31	SMC-CR2021	7
		2	28	3	230				L7P4GMGS	32-1/2	20	P43B0020A3	27		
		2	28	3	460				L7P4GMGS	32-1/2	20				
		3	36	1	230				L7P4HMGS	39-1/2	24	P43B0030A2	37	SMC-CR3021	8
		3	36	3	230				L7P4HMGS	39-1/2	24	P43B0030A3	37		
		3	36	3	460				L7P4HMGS	39-1/2	24				

\*Length and Weight are approximate.

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

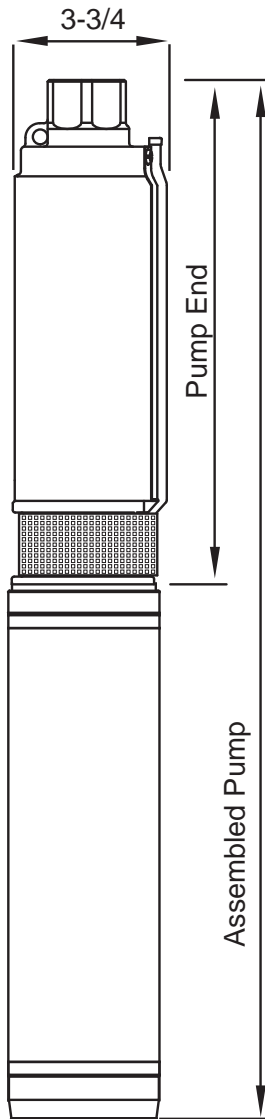
**NOTE:** Motor, Control Box or Magnetic Starter must be ordered separately.

Discharge NPT is 1-1/4".



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## OUTLINE DIMENSIONS

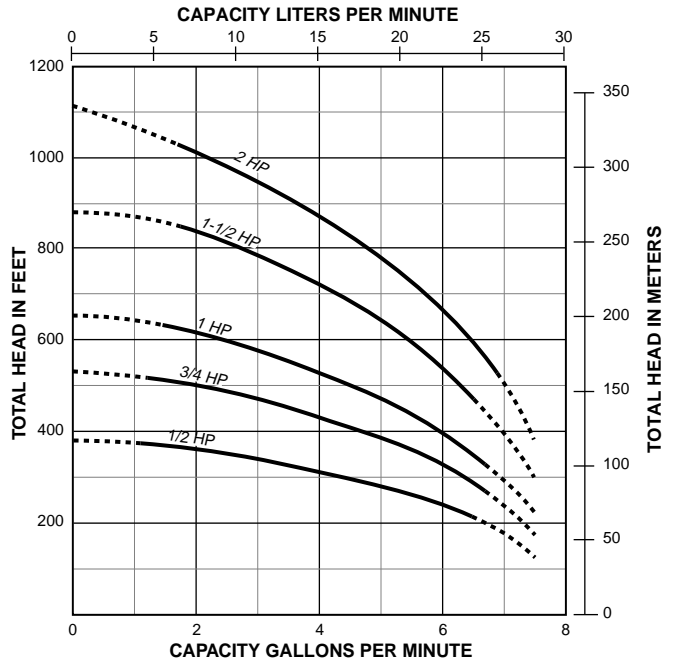


Discharge	
5 GPM	1-1/4" NPT
7 GPM	1-1/4" NPT

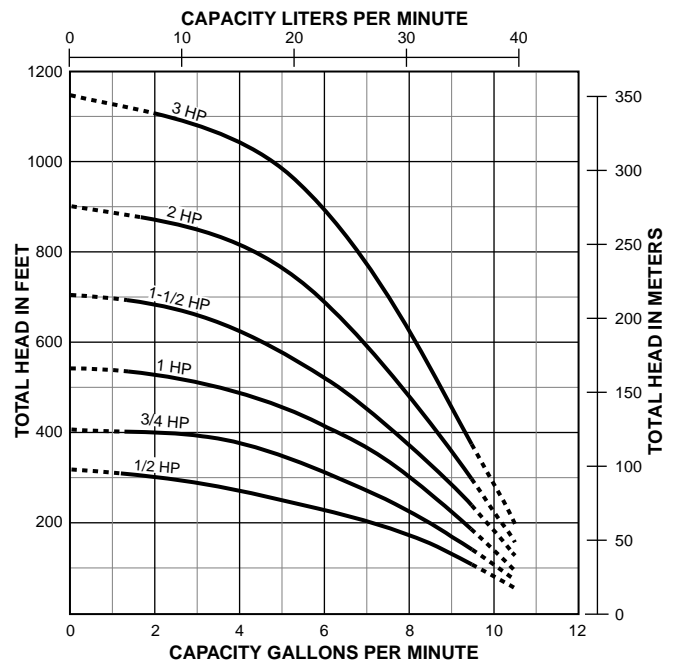
For dimensions, refer to Ordering Information table.

Dimensions (in inches) are for estimating purposes only.

## 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.



