

# STA-RITE® HS+ Series

Signature 2000® stainless steel 4" submersible pumps



POWERED BY  
**PENTEK®**



## HS+ Series SubPAK

Ships complete with HS+ Series pump, XE Series motor and SMC-CR Control Box. Factory assembled and tested.

**Precision-engineered, high-quality, rugged Signature 2000® Stainless Steel Series Pumps deliver efficient, dependable performance even in rough, aggressive water.**

**The Signature 2000 HS+ series puts the plus in HS+ with the advanced Pentek® XE Series™ motor. Superior Pentek motor technology supercharges an HS+ pump with extra stages, raising the performance bar without exceeding recommended service factor amps.**

## APPLICATIONS

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

## SPECIFICATIONS

**Shell:** Stainless steel

**Diameter:** 3-7/8"

**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

**Check Valve:** Acetal†

**Agency Listings:** CSA

†Except where noted.

## FEATURES

**Proven 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:** Heavy-walled corrosion-resistant 300 grade 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-proof.

**Pentek® XE Series™ Motor:** 2 and 3 wire NEMA standard all stainless construction water-filled motors.



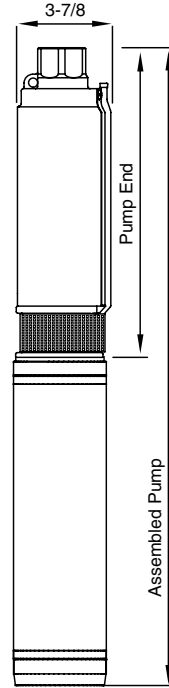
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## ORDERING INFORMATION

HP	STGS.	PH	VOLTS	ASSEMBLED PUMP		
				CATALOG NUMBER	LENGTH INCHES	WT. LBS.
<b>5 GPM/3 WIRE</b>						
1/2	15	1	230	S5P4HS+05231	29	26
3/4	21	1	230	S5P4HS+07231	35-1/4	32
1	24	1	230	S5P4HS+10231	38-3/4	32
<b>7 GPM/3 WIRE</b>						
1/2	12	1	230	S7P4HS+05231	27	26
3/4	15	1	230	S7P4HS+07231	30-3/4	30
1	19	1	230	S7P4HS+10231	35-1/2	30
<b>10 GPM/3 WIRE</b>						
1/2	9	1	230	S10P4HS05231PLUS	24-3/4	26-1/2
3/4	12	1	230	S10P4HS07231PLUS	27-3/4	29-1/2
1	15	1	230	S10P4HS10231PLUS	30-3/4	29-1/2
<b>15 GPM/3 WIRE</b>						
1/2	7	1	230	S15P4HS+05231	24-1/2	27
3/4	9	1	230	S15P4HS+07231	28	30
1	11	1	230	S15P4HS+10231	31-1/2	30
<b>20 GPM/3 WIRE</b>						
3/4	7	1	230	S20P4HS+07231	26	29
1	9	1	230	S20P4HS+10231	29-1/2	29

## OUTLINE DIMENSIONS



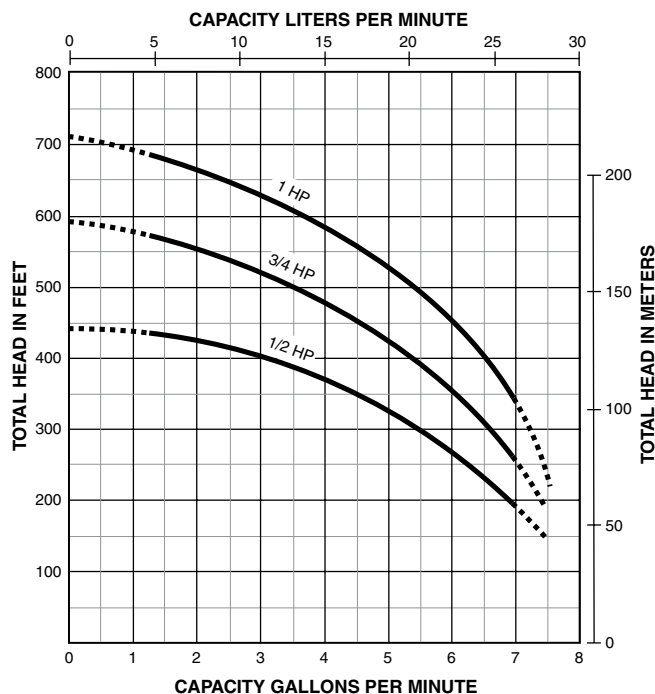
## DISCHARGE

5 GPM	1-1/4" NPT
7 GPM	1-1/4" NPT
10 GPM	1-1/4" NPT
15 GPM	1-1/4" NPT
20 GPM	1-1/4" NPT

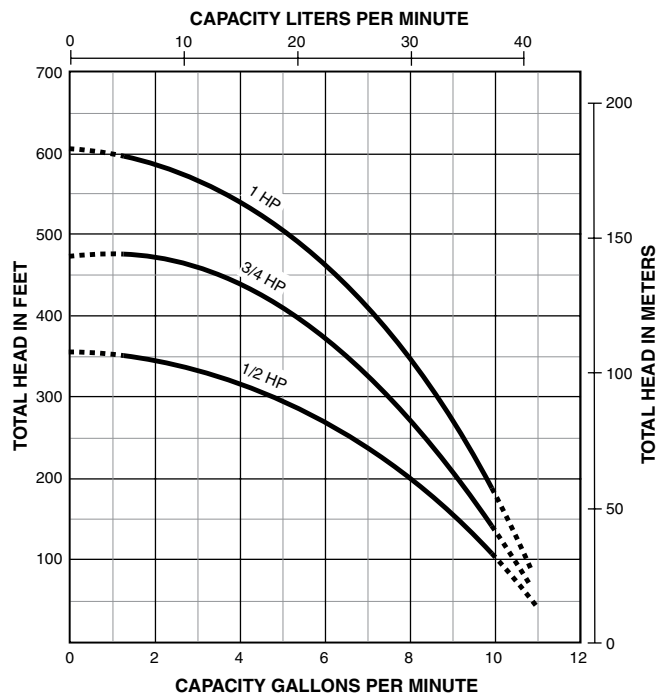
For dimensions, refer to Ordering Information table.

Dimensions (in inches) are for estimating purposes only.

## PUMP PERFORMANCE: 5 GPM



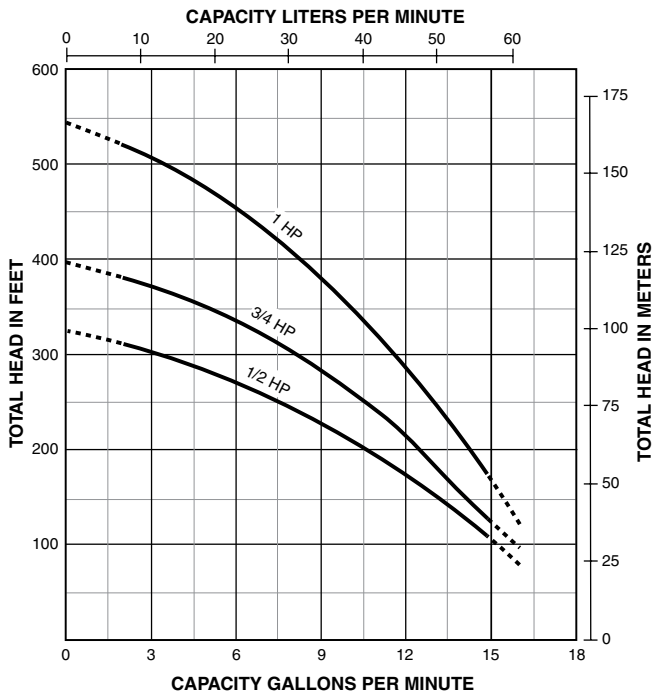
## PUMP PERFORMANCE: 7 GPM



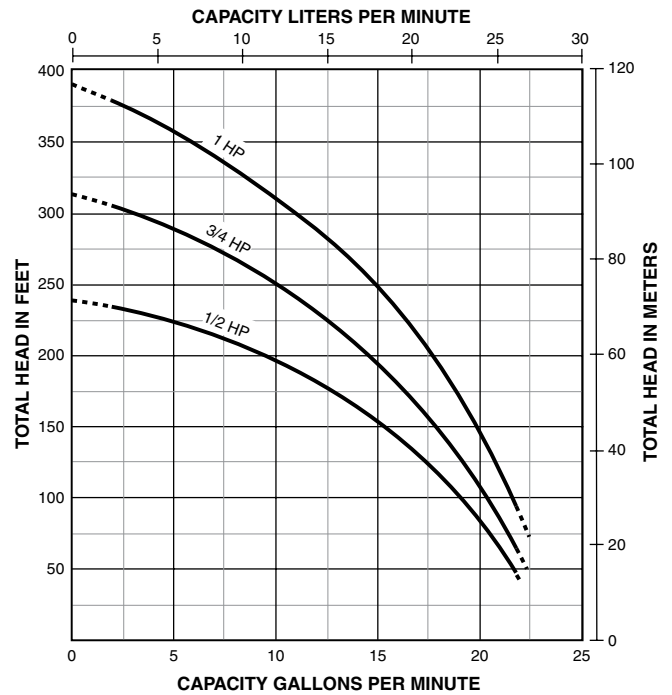
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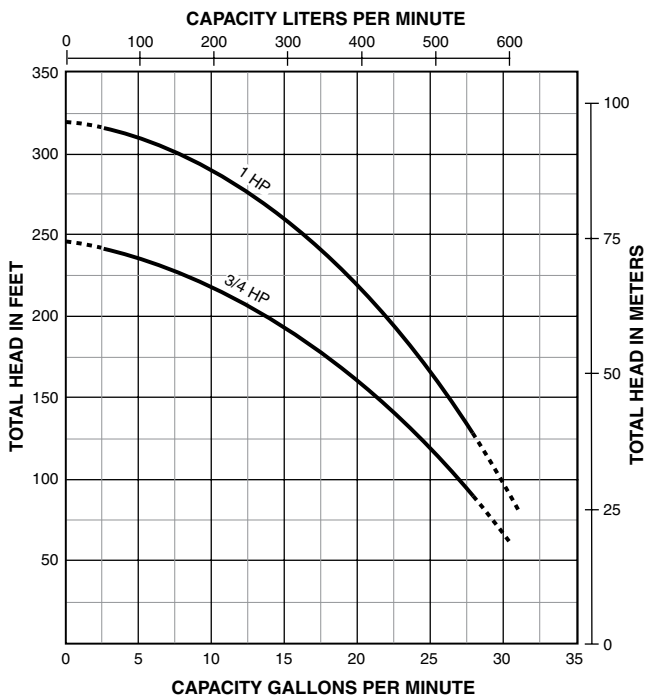
## PUMP PERFORMANCE: 10 GPM



## PUMP PERFORMANCE: 15 GPM



## PUMP PERFORMANCE: 20 GPM





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Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.

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