

## MOTOR SPECIFICATIONS

<b>Motor Design</b>	NEMA design B, squirrel cage induction, air filled
<b>Motor Type</b>	Enclosed submersible, IP 68
<b>Maximum submergence</b>	65 feet (20m)
<b>Insulation Class</b>	Class F, rated at 155° C
<b>Motor Protection</b>	Bi-metallic Thermal Switch
<b>Bi-Metallic Temp Trip</b>	130° C ± 5° C
<b>Service Factor</b>	1.15
<b>Max. Liquid Temperature</b>	104°F (40°C)
<b>Voltage Tolerance</b>	± 10% from nominal



## MOTOR DATA, 60Hz

Model	Phase	Output Power BHP	Volts	Full Load Amps	Locked Rotor Amps	NEMA Code Letter	Power Factor 100% Load	Motor Efficiency 100% Load	Pole/Speed (rpm)
S3000-TS4P V6	3	30	460	39	244	H	.76	.85	4/1750
			575	30	194	H	.76	.85	
			950	20	116	H	.76	.85	

## MATERIALS OF CONSTRUCTION

<b>Upper Motor Lid</b>	Cast Iron ASTM A-48, Class 35B
<b>Motor Housing</b>	Cast Iron ASTM A-48, Class 35B
<b>Oil Chamber</b>	AISI 316 Stainless Steel
<b>Strainer</b>	AISI 304 Stainless Steel
<b>Volute</b>	Ductile Iron
<b>External Hardware</b>	AISI 304 Stainless Steel
<b>O-Rings</b>	NBR
<b>Motor Shaft</b>	AISI 416 Stainless Steel
<b>Upper Bearing</b>	Deep groove ball bearing, double sealed
<b>Lower Bearing</b>	Double row angular contact ball bearing, double shielded
<b>Shaft Seal</b>	SiC/SiC
<b>Impeller</b>	Ductile Iron
<b>Discharge Elbow</b>	Ductile Iron
<b>Stand</b>	Cast Iron ASTM A-48, Class 35B

## DIMENSIONS, WEIGHT, AND MISC.

<b>Pump weight (without cable)</b>	582 lbs (265kg)
<b>Discharge size</b>	6 inch NPT
<b>Strainer Opening</b>	50 mm

## CABLE SPECIFICATIONS

MODEL	PHASE/VOLTAGE	POWER CABLE	LENGTH	OUTER JACKET
S3000-TS4P V6	3Ø-460V	SOOW 6/3, 4/3 2/3 G-GC	50' Standard	CPE, Heavy Duty
	3Ø-575V	SOOW 6/3, 4/3 2/3 G-GC	50' Standard	CPE, Heavy Duty
	3Ø-950V	6/3, 4/3 2/3 SHD-GC	50' Standard	CPE, Heavy Duty



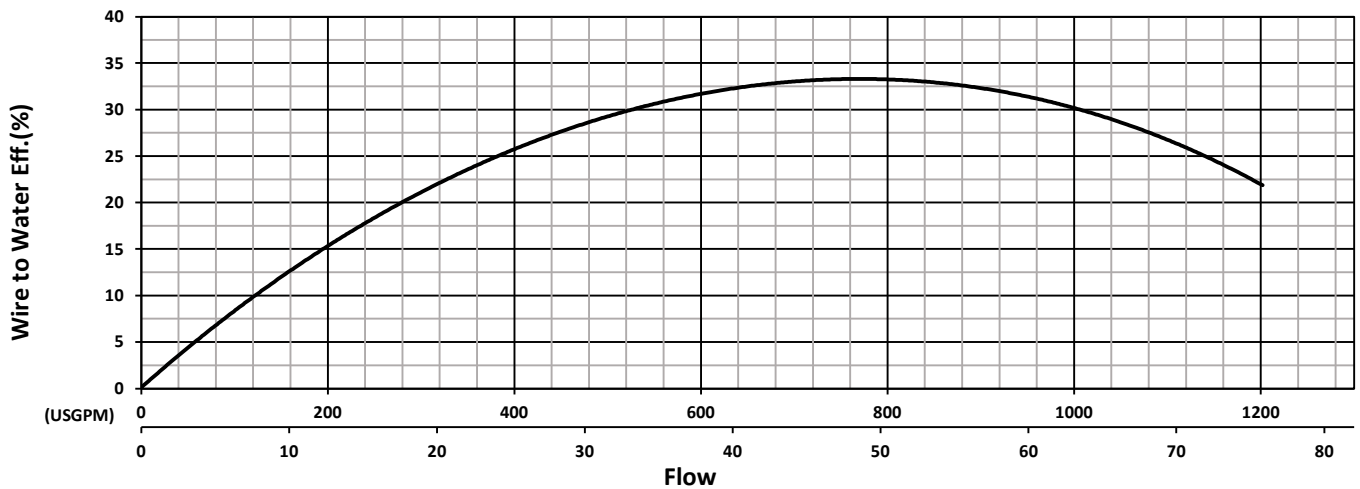
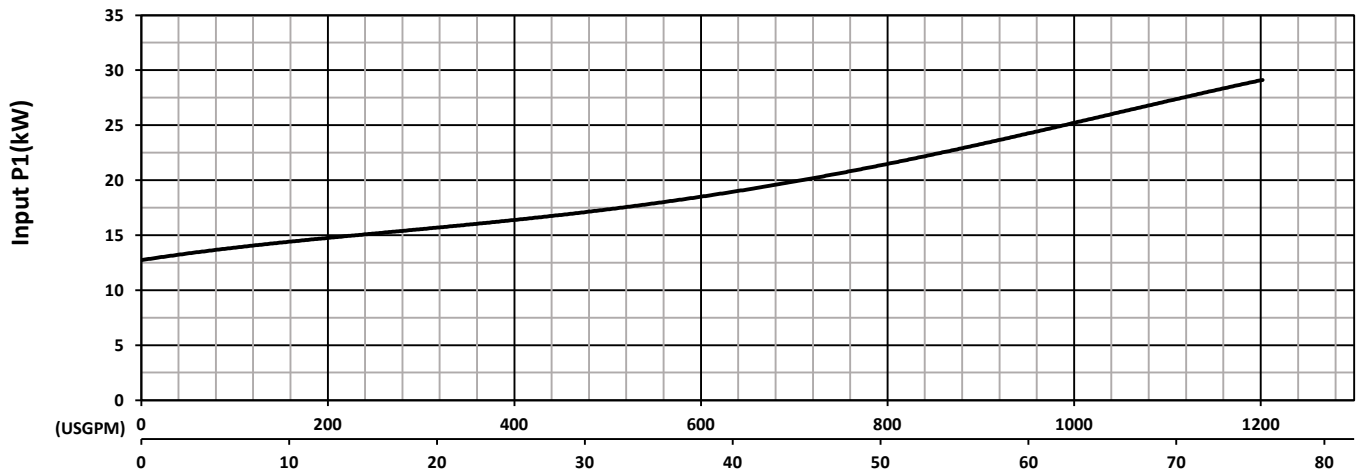
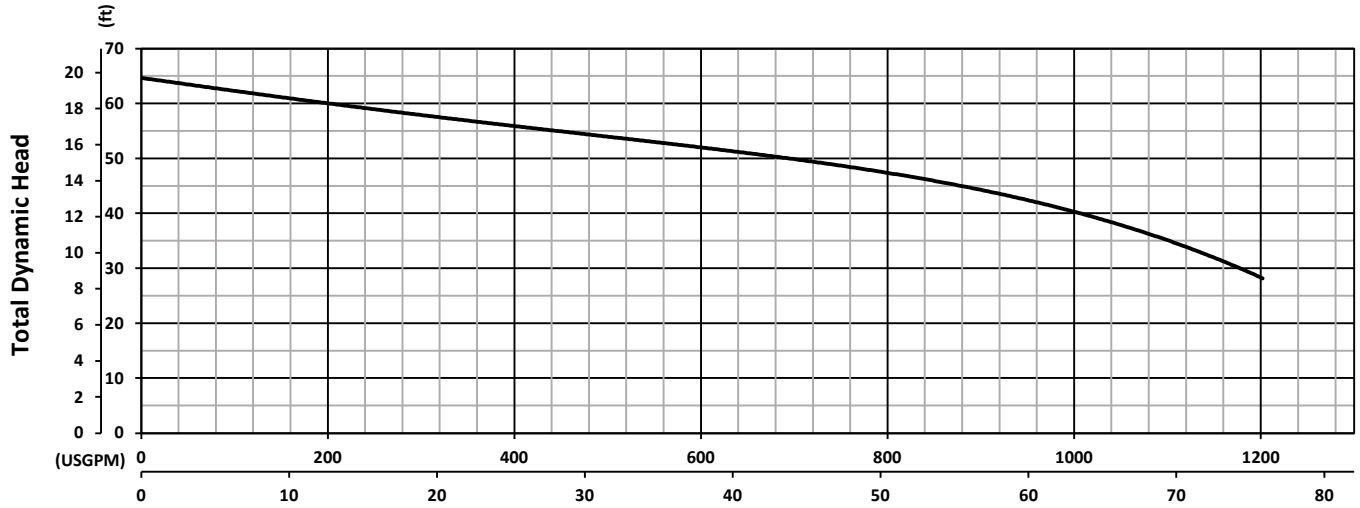
# PERFORMANCE CURVE

# Trash Vortex Pumps S3000-TS4P V6

Dwg: DS-A24-034

Rev: --

Date: 6/29/2018



Test Standard : HI 11.6 Gr 3B  
Tested with water at 20°C

### Pump Performance Test - Dual Units

Frequency 60 Hz  
Pump Speed 1750 RPM  
Impeller Ø205mm

Specifications subject to change without notice