

**MOTOR SPECIFICATIONS**

<b>Motor Design</b>	NEMA design B, squirrel cage induction
<b>Motor Type</b>	Enclosed submersible
<b>Insulation Class</b>	Class B
<b>Motor Protection</b>	Bi-metallic Thermal Switch
<b>Bi-Metallic Temp Trip</b>	120° C ± 5° C
<b>Service Factor</b>	1.15
<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)
<b>SEW-150</b>	1	1.5	115	18.6	93	J	0.991	0.600	2/3450
	1	1.5	208	10.3	51.5	J	0.985	0.600	2/3450
	1	1.5	230	9.3	46.5	J	0.985	0.600	2/3450
	3	1.5	208	6.9	34.5	K	0.945	0.748	2/3450
	3	1.5	230	6.2	31	K	0.934	0.772	2/3450
	3	1.5	460	3.1	15.5	K	0.925	0.758	2/3450
	3	1.5	575	2.5	12.5	K	0.924	0.748	2/3450

**MATERIALS OF CONSTRUCTION**

<b>Upper Motor Lid</b>	Cast Iron ASTM A48 Class 30
<b>Motor Housing</b>	AISI 304 Stainless Steel
<b>Oil Chamber</b>	Cast Iron ASTM A48 Class 30
<b>Volute</b>	Cast Iron ASTM A48 Class 30
<b>External Hardware</b>	AISI 304 Stainless Steel
<b>O-Rings</b>	NBR
<b>Motor Shaft</b>	AISI 410 Stainless Steel
<b>Upper Bearing</b>	Single row Sealed
<b>Lower Bearing(s)</b>	Single row Sealed
<b>Upper Shaft Seal</b>	Carbon/Ceramic
<b>Lower Shaft Seal</b>	SiC/SiC
<b>Impeller</b>	Cast Iron ASTM A48 Class 30

**DIMENSIONS, WEIGHT, AND MISC.**

<b>Pump weight single phase</b>	55lbs (25kg)
<b>Pump weight three phase</b>	55lbs (25kg)
<b>Maximum submergence</b>	33 feet (10m)
<b>Discharge size, standard</b>	2" NPS female vertical
<b>Maximum temp. of pumped fluid</b>	104°F (40°C)
<b>Free Passage size</b>	2" (50 mm)

**CABLE SPECIFICATIONS**

MODEL	PHASE/VOLTAGE	POWER CABLE	LENGTH	OUTER JACKET
<b>SEW-150</b>	1Ø 115V	SJTOW 12/3	33' (10m)	PVC
	1Ø 208V	SJTOW 14/3	33' (10m)	PVC
	1Ø 230V	SJTOW 14/3	33' (10m)	PVC
	3Ø 208V	STOW 14/4	33' (10m)	PVC
	3Ø 230V	STOW 14/4	33' (10m)	PVC
	3Ø 460V	STOW 16/4	33' (10m)	PVC
	3Ø 575V	STOW 16/4	33' (10m)	PVC

Power cable suitable for all standard voltages listed in "MOTOR DATA" section.

Document valid only for pump with serial number 1327-001 and up.

Refer to previous document revision for earlier serial number.

Specifications subject to change without notice



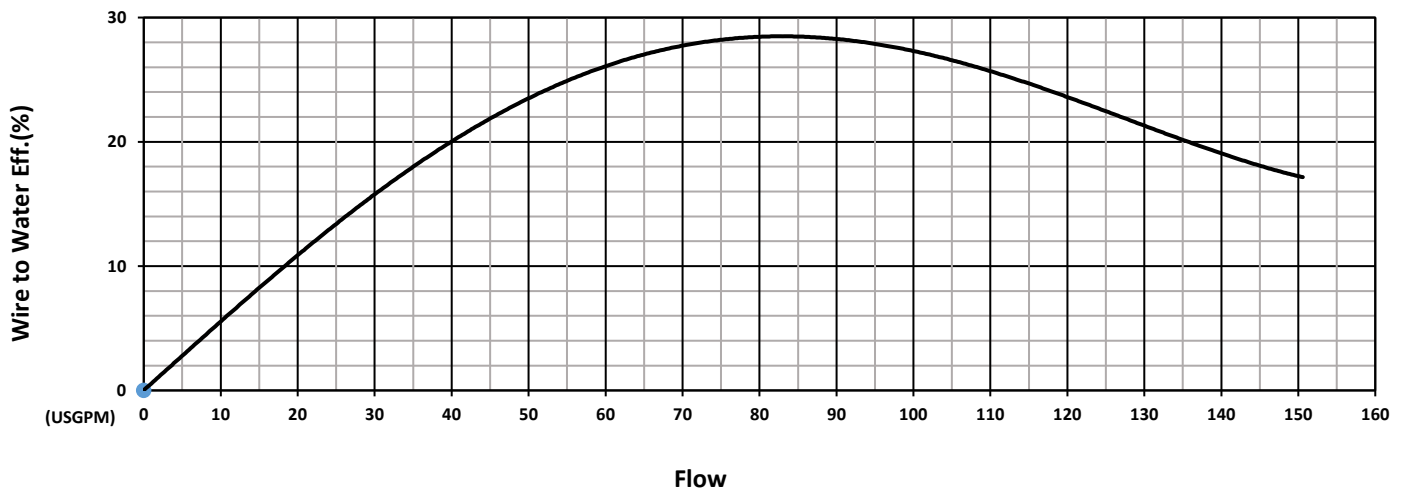
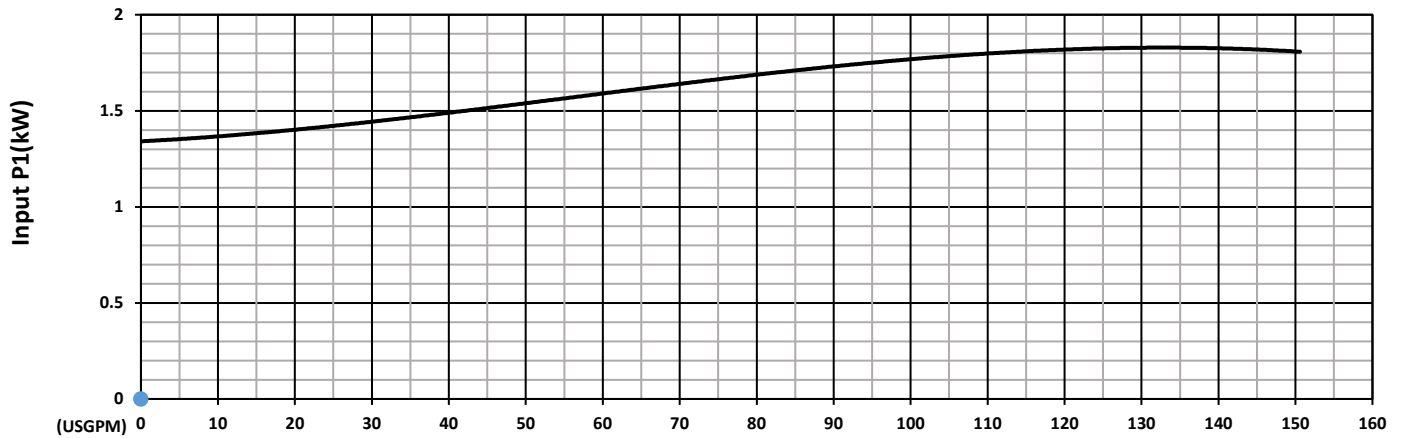
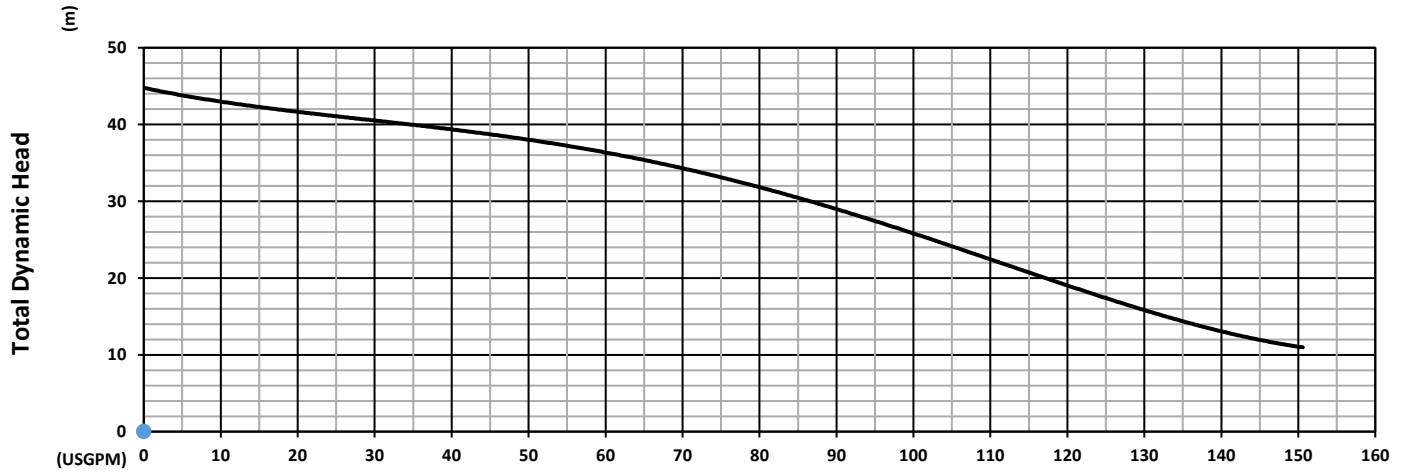
# PERFORMANCE CURVE

# Avenger Series SEW-150

Dwg: DS-A02-021

Rev: 3

Date: 3/28/2018



Flow

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

Pump Performance Test - Dual Units

Frequency 60 Hz  
Pump Speed 3450 RPM  
Impeller Ø102mm

Specifications subject to change without notice

Stancor, LP. 515 Fan Hill Road, Monroe, CT 06468

Tel: 203-268-7513

Fax : 203-268-7958

www.stancorpumps.com