

**MOTOR SPECIFICATIONS**

<b>Motor Design</b>	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>	1.0
<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)
SSD-75	1	0.75	115	6.6	33	J	0.992	0.627	2/3450
	1	0.75	208	3.6	18	J	0.993	0.623	2/3450
	1	0.75	230	3.3	16.5	J	0.994	0.616	2/3450
	3	0.75	208	2.5	12.5	L	0.901	0.623	2/3450
	3	0.75	230	2.2	11	K	0.870	0.681	2/3450
	3	0.75	460	1.1	5.5	K	0.850	0.662	2/3450
	3	0.75	575	1	5	L	0.883	0.670	2/3450

**MATERIALS OF CONSTRUCTION**

<b>Discharge Connection</b>	Cast Iron (FC 15)
<b>Motor Housing</b>	AISI 304 Stainless Steel
<b>Oil Chamber</b>	Aluminum (ADC 12)
<b>Volute</b>	Cast Iron (FC 20)
<b>External Hardware</b>	AISI 304 Stainless Steel
<b>O-Rings</b>	NBR
<b>Motor Shaft</b>	Stainless Steel (410)
<b>Upper Bearing</b>	Single row, doubled sealed
<b>Lower Bearing(s)</b>	Single row, doubled sealed
<b>Upper Shaft Seal</b>	CA/CE (carbon/ceramic)
<b>Lower Shaft Seal</b>	SIC/SIC (silicon carbide/silicon carbide)
<b>Impeller</b>	Hytrell (steel coated with thermoplastic polyester elastomer)

**DIMENSIONS, WEIGHT, AND MISC.**

<b>Pump weight single phase</b>	26lbs (12kg)
<b>Pump weight three phase</b>	26lbs (12kg)
<b>Maximum submergence</b>	33 feet (10m)
<b>Discharge size, standard</b>	2-inch NPS female vertical
<b>Maximum temp. of pumped fluid</b>	104°F (40°C)
<b>Inlet Opening</b>	6mm

**CABLE SPECIFICATIONS**

MODEL	PHASE/VOLTAGE	POWER CABLE	LENGTH	OUTER JACKET
SSD-75	1Ø 115V	SJTOW 16/3	50' (15m)	PVC
	1Ø 208V	SJTOW 16/3	50' (15m)	PVC
	1Ø 230V	SJTOW 16/3	50' (15m)	PVC
	3Ø 208V	STOW 16/4	50' (15m)	PVC
	3Ø 230V	STOW 16/4	50' (15m)	PVC
	3Ø 460V	STOW 16/4	50' (15m)	PVC
	3Ø 575V	STOW 16/4	50' (15m)	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



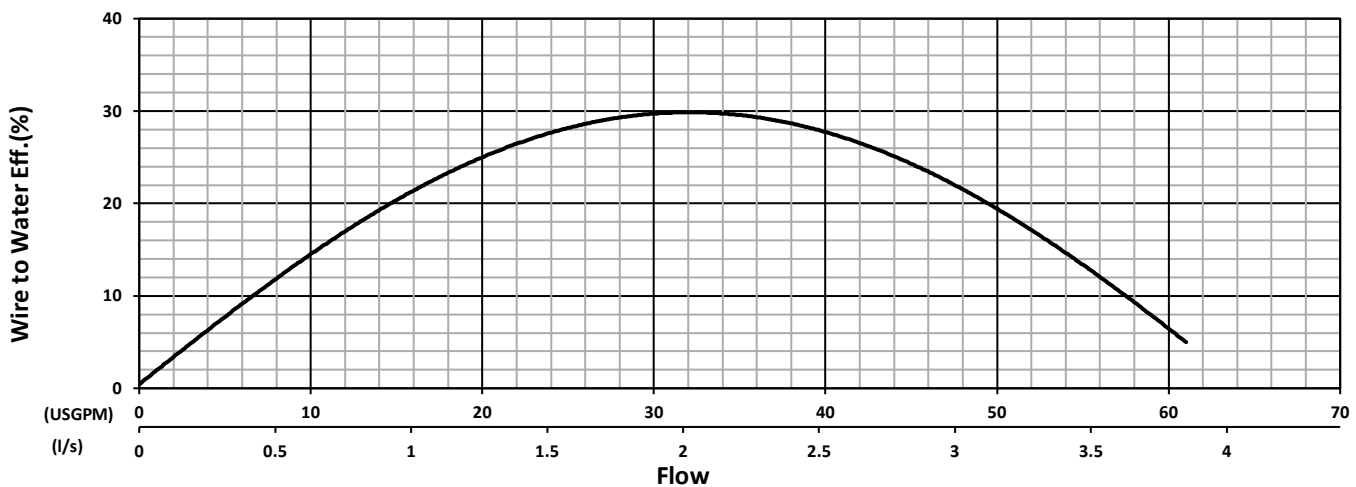
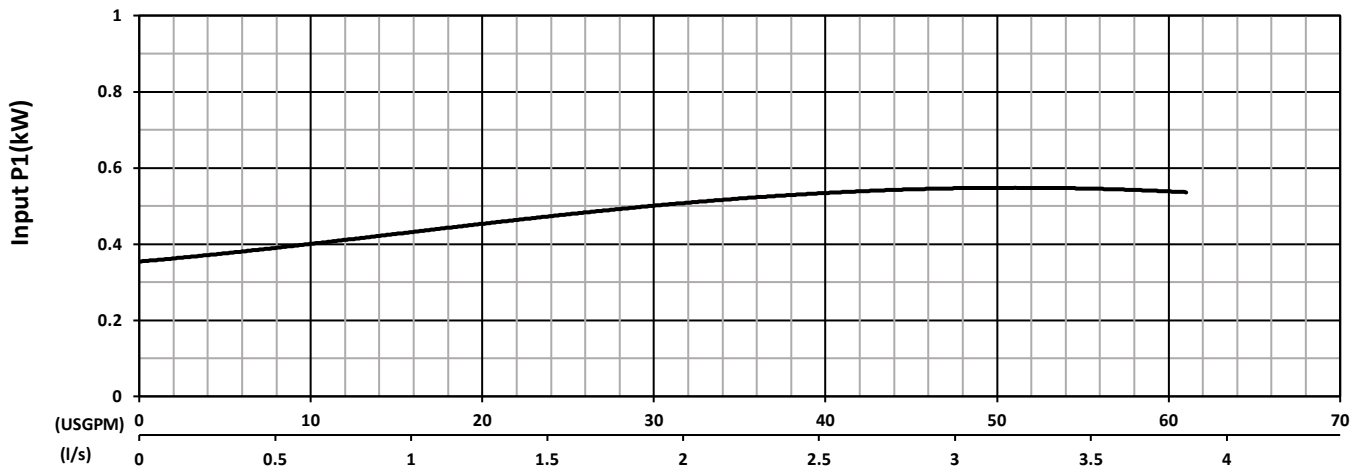
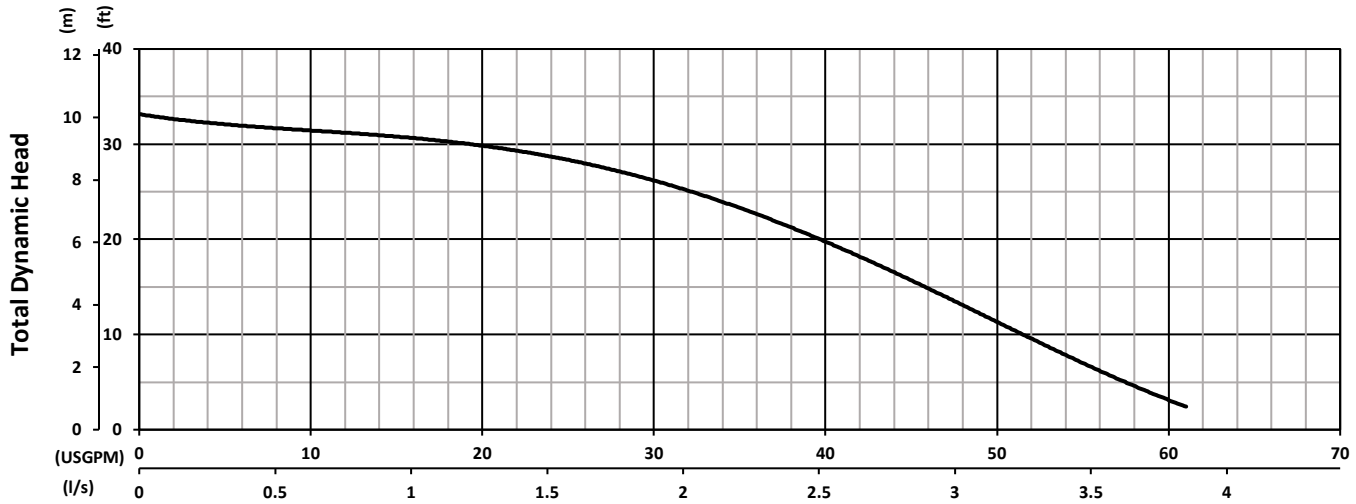
# PERFORMANCE CURVE

# Avenger Series SSD-75

Dwg: DS-A13-003

Rev: 3

Date: 4/24/2018



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 Ø86.5mm

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