

	TECHNICAL DATA	AVENGER SERIES	SSDS-100
	Dwg: DS-A31-005	Rev: 2	Date: 6/20

MOTOR SPECIFICATIONS

Motor Design	Induction
Motor Type	Enclosed submersible
Insulation Class	Class F
Motor Protection	Bi-metallic Thermal Switch
Bi-Metallic Temp Trip	120° C ± 5° C
Service Factor	1.15
Voltage Tolerance	± 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)
SSDS-100	1	1	115	10.7	53.5	G	0.98	0.77	2/3450
	1	1	208	5.8	29	G	0.98	0.81	2/3450
	1	1	230	5.5	27.5	H	0.97	0.81	2/3450
	3	1	208	3.7	18.5	H	0.73	0.76	2/3450
	3	1	230	3.1	15.5	G	0.73	0.76	2/3450
	3	1	460	1.7	8.5	H	0.77	0.77	2/3450
	3	1	575	1.4	7	H	0.79	0.77	2/3450

MATERIALS OF CONSTRUCTION

Upper Motor Lid	AISI 304 Stainless Steel
Motor Housing	AISI 304 Stainless Steel
Oil Chamber	AISI 304 Stainless Steel
Volute	AISI 304 Stainless Steel
External Hardware	AISI 316 Stainless Steel
O-Rings	NBR
Motor Shaft	AISI Stainless Steel 410 (in pumped media)
Upper Bearing	C3 Shielded ball bearings
Lower Bearing(s)	C3 Shielded ball bearings
Upper Shaft Seal	CA/CE (carbon/ceramic)
Lower Shaft Seal	SiC/SiC (silicon carbide/silicon carbide)
Impeller	AISI 304 Stainless Steel

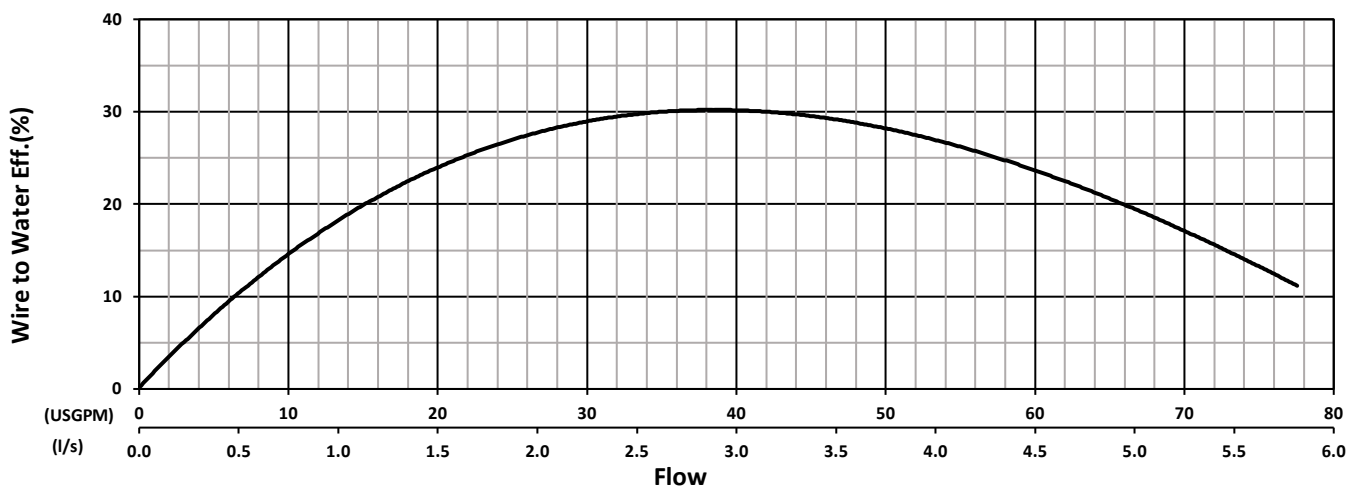
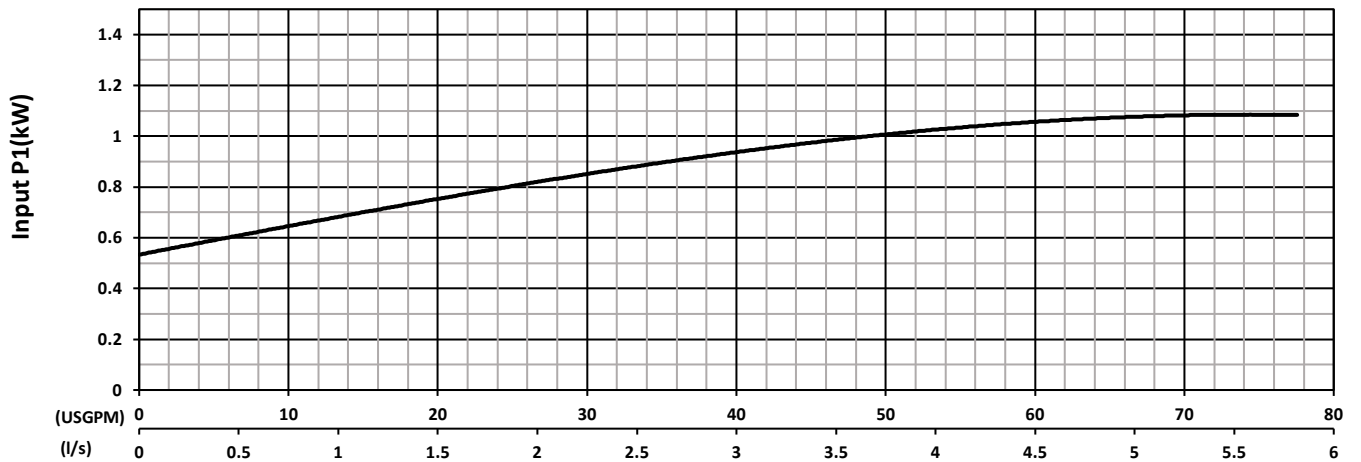
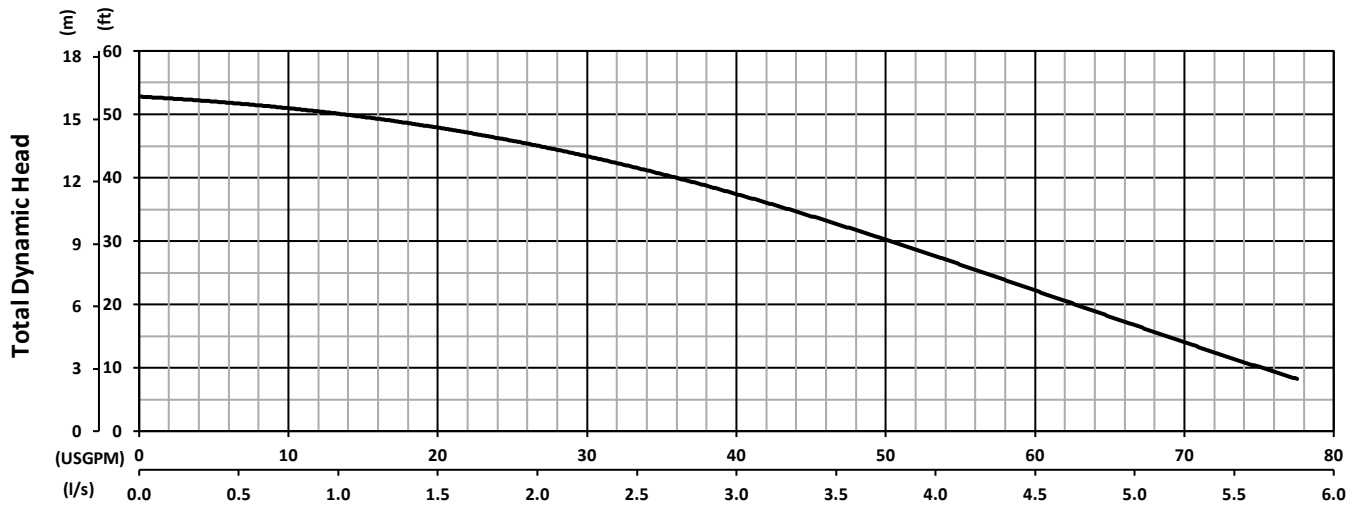
DIMENSIONS, WEIGHT, AND MISC.

Pump weight single phase	31lbs (14kg)
Pump weight three phase	31lbs (14kg)
Maximum submergence	66 feet (20m)
Discharge size, standard	2-inch NPT male vertical
Maximum temp. of pumped fluid	104°F (40°C)
Free Passage size	0.3" (7mm)

CABLE SPECIFICATIONS

MODEL	PHASE/VOLTAGE	POWER CABLE	LENGTH	OUTER JACKET
SSDS-100	1Ø-115V	SJTW 14AWG/3	50 feet (15m)	PVC
	1Ø-230V	SJTW 16AWG/3	50 feet (15m)	PVC
	3Ø-230V	PVC-CSA 1.25MM/4	50 feet (15m)	PVC
	3Ø-460V	PVC-CSA 1.25MM/4	50 feet (15m)	PVC

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



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

AVENGER SERIES - Dual Units

Frequency 60 Hz
Pump Speed 3450 RPM
Impeller Ø 98mm

Specifications subject to change without notice

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