

MOTOR SPECIFICATIONS

Motor Design	Induction
Motor Type	Enclosed submersible
Insulation Class	Class A
Motor Protection	Bi-metallic Thermal Switch
Bi-Metallic Temp Trip	110° 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)
SB-20	1	0.18	115	2.4	12	J	0.983	0.600	2/3450
	1	0.18	230	1.2	6	J	0.945	0.600	2/3450

MATERIALS OF CONSTRUCTION

Upper Motor Lid	PA66 + Glass Fiber
Motor Housing	AISI 304 Stainless Steel
Oil Chamber	Cast Iron (FC20)
Volute	Cast Iron (FC20)
External Hardware	AISI 304 Stainless Steel
O-Rings	NBR
Motor Shaft	Stainless Steel (410)
Upper Bearing	Single row, doubled sealed
Lower Bearing(s)	Single row, doubled sealed
Upper Shaft Seal	CA/CE
Lower Shaft Seal	CA/CE
Impeller	ABS+ Glass Fiber

DIMENSIONS, WEIGHT, AND MISC.

Pump weight single phase	11lbs (5kg)
Pump weight three phase	11lbs (5kg)
Maximum submergence	33 feet (10m)
Discharge size, standard	1.5-inch NPT female vertical
Maximum temp. of pumped fluid	104°F (40°C)
Strainer Opening	1/4" (6mm)

CABLE SPECIFICATIONS

MODEL	PHASE/VOLTAGE	POWER CABLE	LENGTH	OUTER JACKET
SB-20	1Ø-115V	SJTOW 16/3	16 feet (5m)	PVC
	1Ø-230V	SJTOW 16/3	16 feet (5m)	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

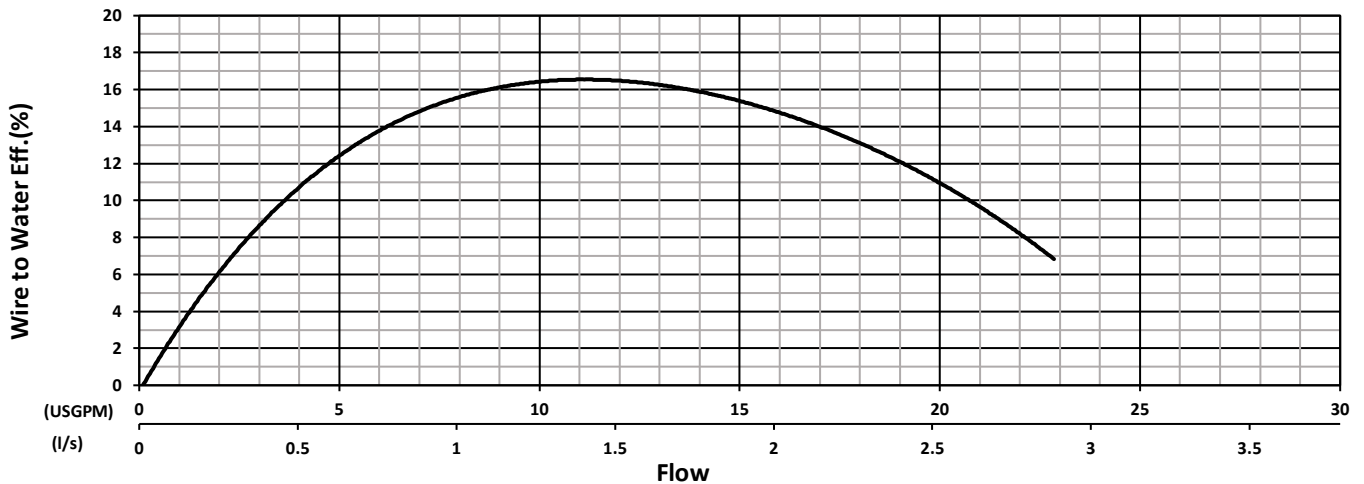
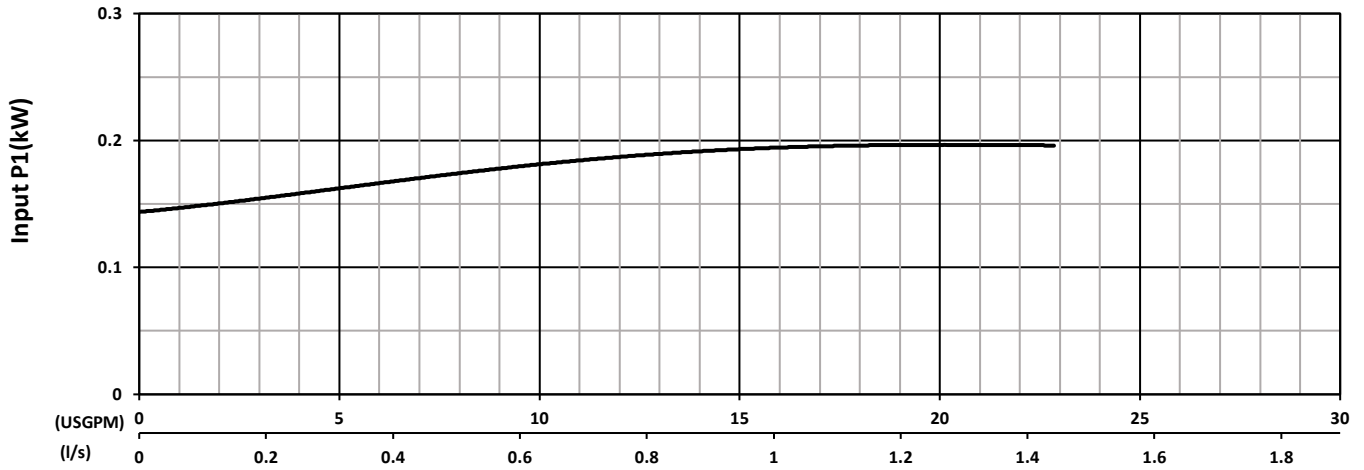
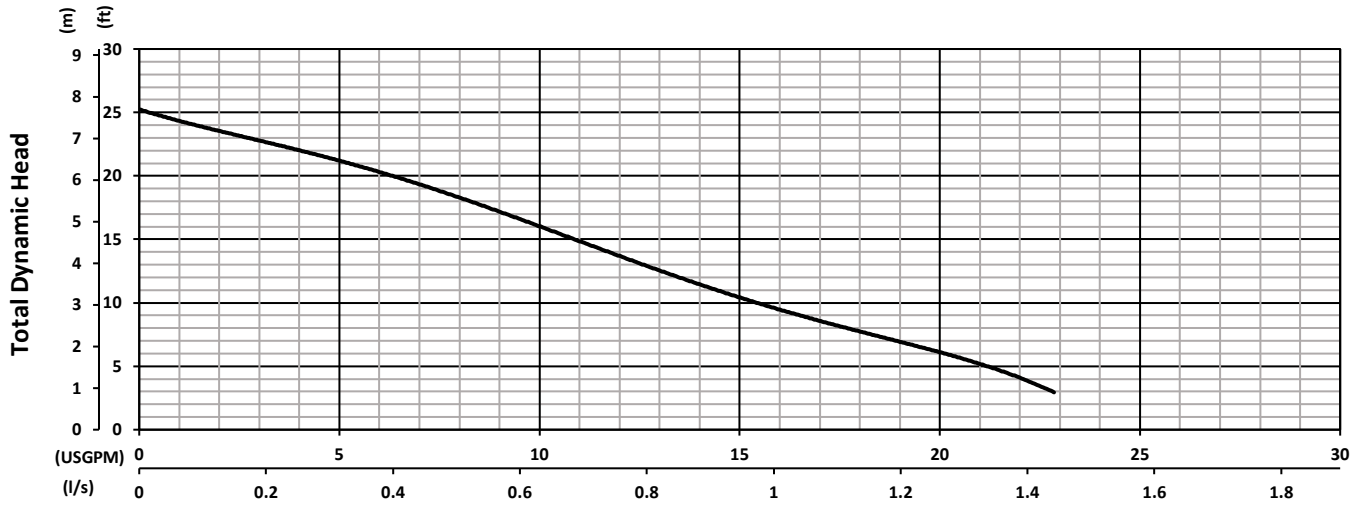
Avenger Series SB-20

Dwg: DS-A08-003

Rev: 3

Date:

12/5/2017



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 Ø--mm

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