

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)
SKR-8220	3	30	460	45.2	225	G	0.780	0.850	4/1800
	3	30	575	36.2	180	G	0.810	0.860	4/1800

MATERIALS OF CONSTRUCTION

Upper Motor Lid	FC-20 Cast Iron
Motor Housing	FC-20 Cast Iron
Oil Chamber	FC-20 Cast Iron
Volute	FC-20/FCD 45 Cast Iron Ductile Iron
External Hardware	AISI 304 Stainless Steel
O-Rings	NBR
Motor Shaft	Stainless Steel (SUS 410)
Upper Bearing	Single ball bearing, Sealed
Lower Bearing(s)	Single ball bearing, Sealed
Upper Shaft Seal	CA/CE
Lower Shaft Seal	SiC/SiC
Impeller, wear plate, agitator	High Chrome Alloy

DIMENSIONS, WEIGHT, AND MISC.

Pump weight	783lbs (355kg)
Maximum submergence	33 feet (10m)
Discharge size, standard	8-inch NPT male vertical
Maximum temp. of pumped fluid	104°F (40°C)

CABLE SPECIFICATIONS

MODEL	PHASE/VOLTAGE	POWER CABLE	LENGTH	OUTER JACKET
SKR-8220	3Ø-460V	8/3 G-GC	50feet (15m)	CPE*
	3Ø-575V	8/3 G-GC	50feet (15m)	CPE*

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

*Chlorinated Polyethylene

Document valid only for pump with serial number BW1001-001 and up.
Refer to previous document revision for earlier serial number.

Specifications subject to change without notice



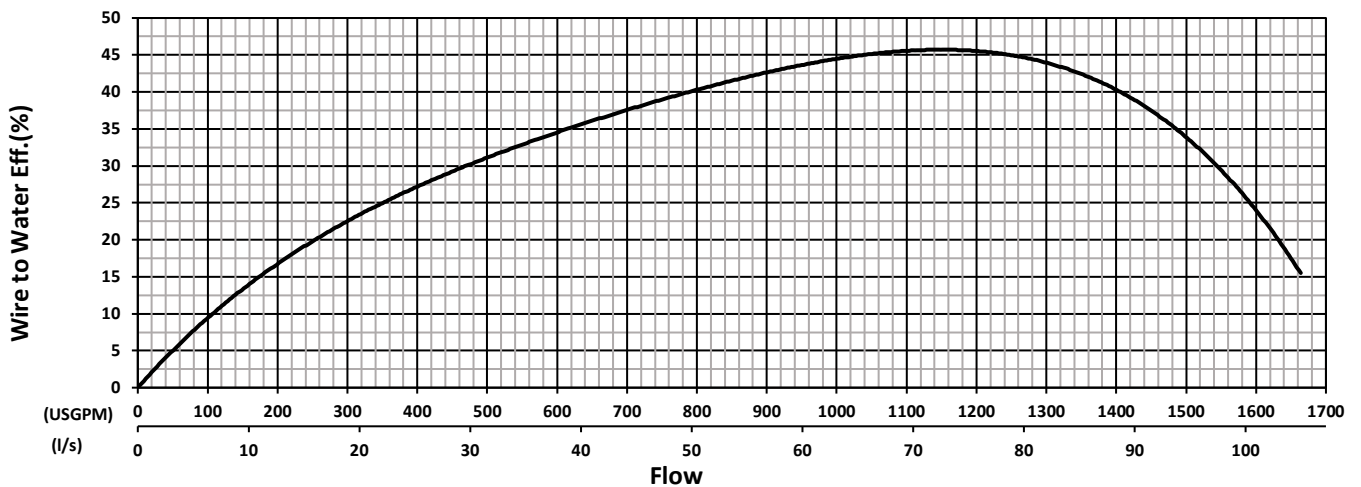
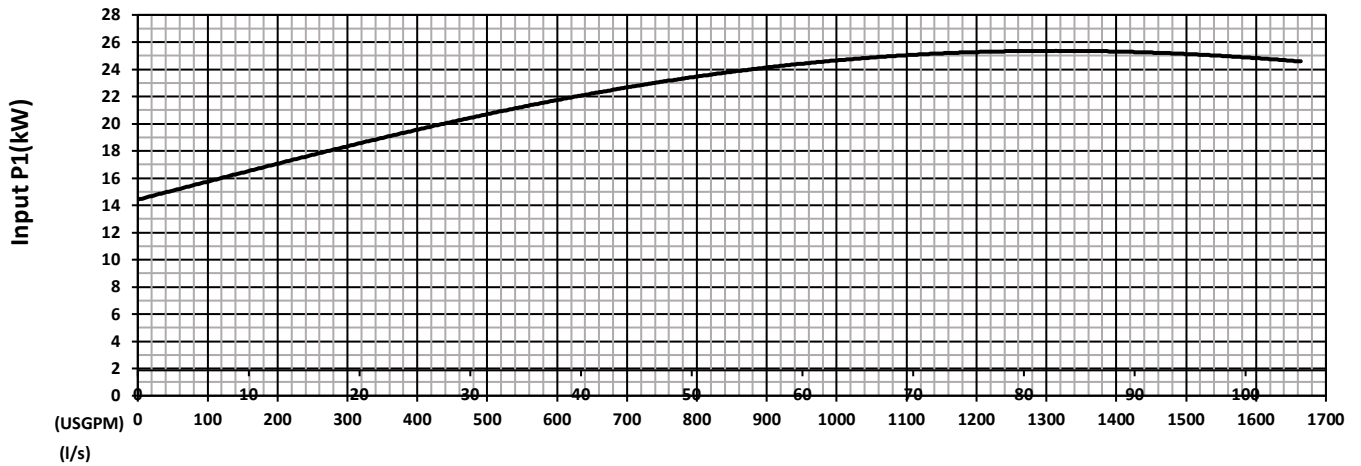
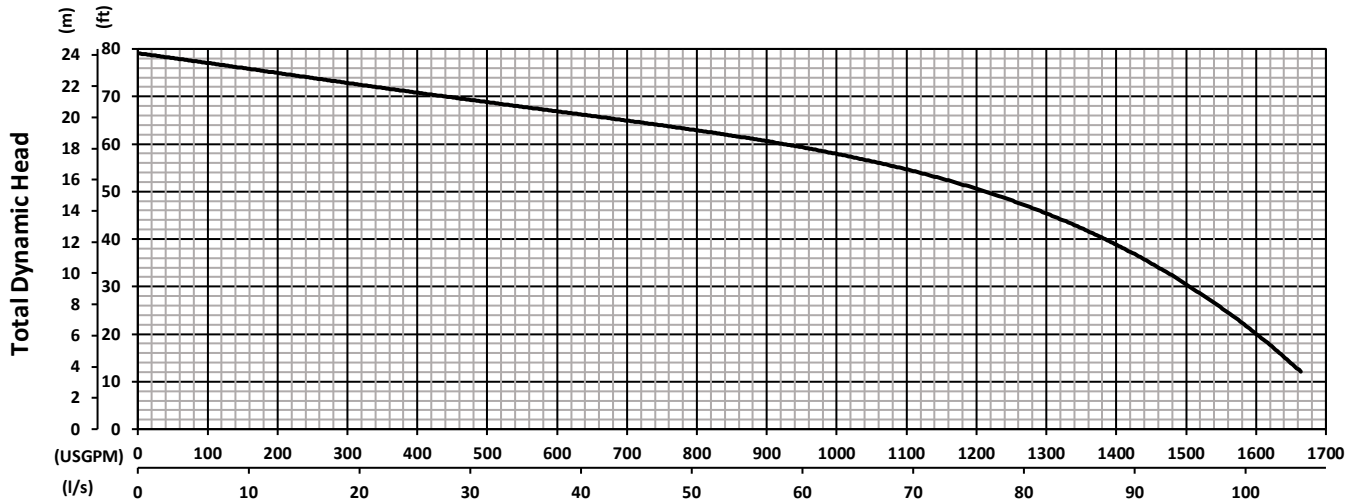
PERFORMANCE CURVE

Avenger Series SKR-8220

Dwg: DS-A06-039

Rev: 3

Date: 12/6/2017



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 Ø260mm

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