

**TECHNICAL DATA****PIRANHA****S10/4W, S10/4**

Dwg. DS-P01-012 Rev: D Date: 01/07

Section Piranha Tab "S" Series Page

**STANDARD & EXPLOSION PROOF****MOTOR SPECIFICATIONS**

<b>Motor Design</b>	NEMA design B, squirrel cage induction, air filled
<b>Motor Type</b>	Enclosed submersible
<b>Insulation Class</b>	Class F, rated at 279° F (155° C)
<b>Motor Protection</b>	Oil Chamber Moisture Detector, bimetallic switches embedded in each phase for thermal overload protection. Installer must conform to N.E.C. standards, 1990 Ed. Art. 430.
<b>Bimetallic Temp Trip</b>	284° F ± 9° F (140° C ± 5° C)
<b>Service Factor</b>	1.0
<b>Voltage Tolerance</b>	± 10% from nominal
<b>Approvals</b>	UL, CSA (FM available as option)

**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)
S10/4W*	1	1.3	208	7.2	15.8	A	0.99	67.5	4/1750
S10/4W*	1	1.3	230	6.5	14.3	A	0.99	67.5	4/1750
S10/4	3	1.3	208	5.8	25.2	H	0.64	75.3	4/1750
S10/4	3	1.3	230	5.2	22.8	H	0.64	75.3	4/1750
S10/4	3	1.3	460	2.6	11.4	H	0.64	75.3	4/1750
S10/4	3	1.3	575	2.1	9.1	H	0.64	75.3	4/1750

\*Requires external start kit mounted in the control panel

**MATERIALS of CONSTRUCTION**

<b>Motor Housing</b>	Cast Iron ASTM A48 Class 30
<b>Cable Cap</b>	Cast Iron ASTM A48 Class 30
<b>Volute</b>	Cast Iron ASTM A48 Class 30
<b>Oil Chamber</b>	Cast Iron ASTM A48 Class 30
<b>External Hardware</b>	AISI 304 Stainless Steel
<b>O-Rings</b>	Buna-N
<b>Motor Shaft</b>	AISI 420 Stainless Steel
<b>Cutter Disc Assembly</b>	Chrome Molybdenum Cobalt Tool Steel 58-62 Rockwell "C"
<b>Upper Bearing</b>	Single row ball bearing.
<b>Lower Bearing(s)</b>	Single row ball bearing.
<b>Upper Shaft Seal</b>	Buna N Lip Seal
<b>Lower Shaft Seal</b>	Silicon Carbide
<b>Impeller</b>	Cast Iron, Open Multi-vane

**DIMENSIONS, WEIGHT, AND MISC.**

<b>Pump weight (lb.)</b>	88
<b>Pump weight (lb.) (explosion proof)</b>	89
<b>Maximum submergence (feet)</b>	33
<b>Discharge size, standard</b>	1¼ Inch
<b>Discharge thread type</b>	Female NPT
<b>Maximum temp. of pumped fluid</b>	72° F (40° C)

**CABLE SPECIFICATIONS**

MODEL	POWER CABLE Quantity, Type	LENGTH, Feet
S10/4W	14/7 Type SOW-A	32
S10/4D	14/7 Type SOW-A	32

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