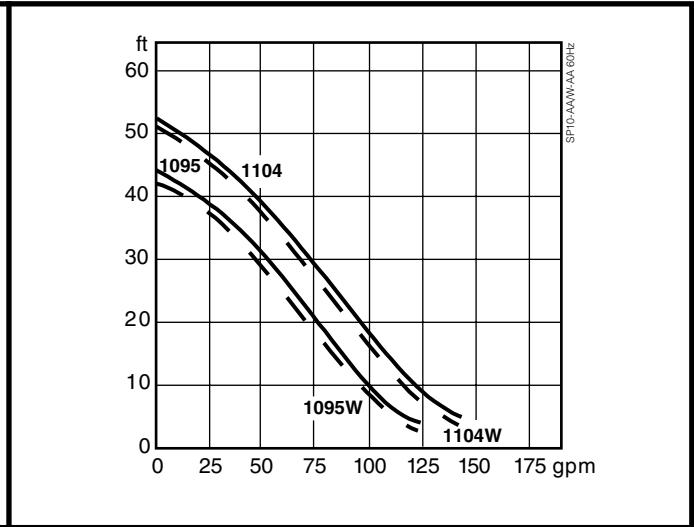
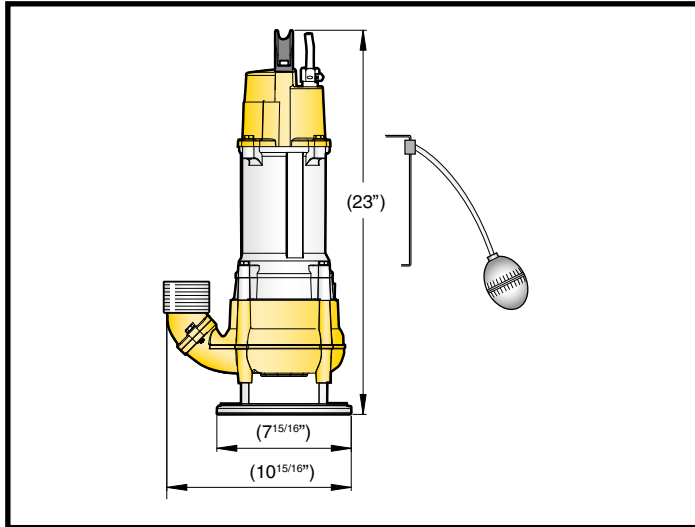


Submersible sludge pump

SP 10 SP 10 W



SP10.02.0906 US 60 Hz
The manufacturer reserves the right to alter performance, specifications or design without notice.

Specification

Electric submersible pump.
Maximum submergence: 65 ft. Protection class IP 68.
Max temperature of pumped medium at max power input and continuous duty 104°F.
Max medium density 0.0397 Lbs/inch³.
pH of the pumped medium 5-8.
Volute with free passage 1 9/16". Max no. of starts 30/hour.
Max impeller diameter requires half motor or more submersed for continuous duty. (Pump can operate lying down.)

Pump Types

- SP 10 W-1095*/-1104 single-phase
- SP 10 WA-1095*/-1104 single-phase (built-in float switch)
- SP 10-1095*/-1104 3-phase
- SP 10A-1095*/-1104 3-phase (built-in float switch, excl. 575V)

* Impeller diameter for duty with low water level or intermittent dry running.

Electric Motor

Single-phase motor with built-in capacitor, 60Hz
Service factor 1.1. Class F insulation.
Motor rating P₂: 1.5 Hp. Speed: 3360 rpm

Voltage, V	230
Nominal current, A	6.6

3-phase squirrel-cage induction motor, 60Hz.
Service factor 1.1. Class F insulation.
Dual voltage stator 230/460 V (single voltage contactor coil)
Motor rating P₂: 1.5 Hp. Speed: 3400 rpm
D.O.L. start with built-in contactor

Voltage, V	208	230/460	575
Nominal current, A	4.2	3.8/1.9	1.5

Power Cable

Heavy duty power cable for submersible pump applications
65 ft AWG 14/3 SOOW (UL, CSA, MSHA), single-phase
65 ft AWG 16/4 SOOW (UL, CSA, MSHA), 3-phase

Motor Protection

Built-in thermal switches in the stator windings (284°F), ±5).

Shaft Seal

Double mechanical seal in oil bath.

- Primary seal: Silicon carbide on silicon carbide
- Secondary seal: Silicon carbide on silicon carbide

Bearings

- Upper bearing: Single-row deep groove ball bearing
- Lower bearing: Single-row deep groove ball bearing

Materials

- Motor housing: Aluminium
- Fasteners: Stainless steel
- Rotor shaft: Stainless steel
- Volute, impeller: Nodular cast iron
- O-rings: Nitrile rubber

ASTM

- ASTM AISi10mg
- AISI 304
- AISI 420
- ASTM A 536-80: 60-40-18

Discharge Connections

2", 2 1/2", 3" hose connections
2" (standard), 3" NPT threaded connections

Weight (without cable)

40 lbs

Options and Accessories

Zinc anodes. Surface protection coating
Starter and control units. PumpFloater. Service kit
Discharge connection accessories and hose

