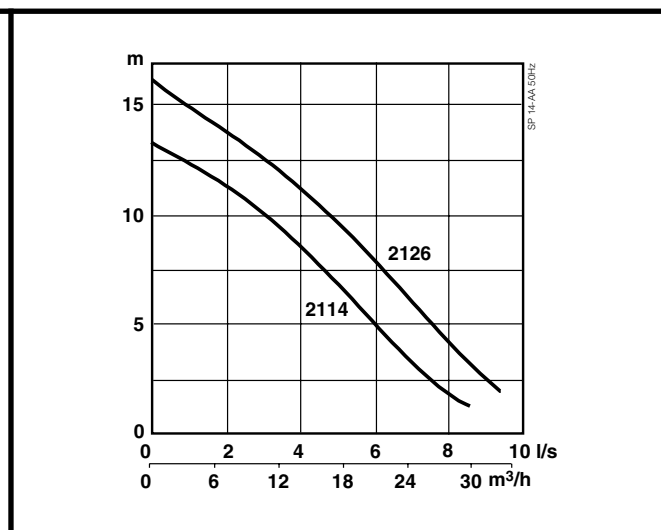
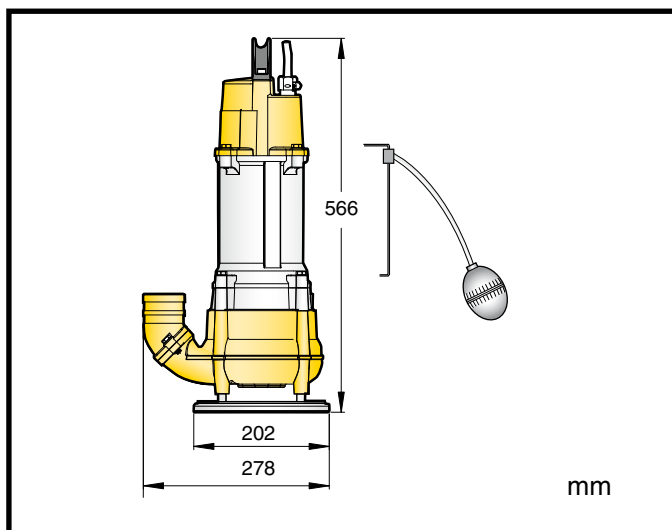


Submersible sludge pump SP 14

50 Hz



SP14.02.1007.Eng50Hz
The manufacturer reserves the right to alter performance, specifications or design without notice.

Specification

Electric submersible pump.
Maximum submergence: 20 m. Protection class IP 68.
Max temperature of pumped medium at max power input and continuous duty 40°C.
Max medium density 1100 kg/m³. pH of the pumped medium 5-8.
Volute with free passage Ø 40 mm. 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 14-2114*/-2126 3-phase
SP 14A-2114*/-2126 3-phase (built-in float switch, excl. 500V)

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

Electric Motor

3-phase squirrel-cage induction motor, 50Hz.
Service factor 1.1. Class F insulation.
Max. power input P₁: 1.6 kW. Motor rating P₂: 1.3 kW.
Speed: 2850 rpm
D.O.L. start with built-in contactor

Voltage, V	230	400	500
Nominal current, A	4.5	2.6	2.1

Power Cable

20 m type S1BN8-F:
4 x 1.5 sq.mm.

Motor Protection

Built-in thermal switches in the stator windings (140°C, ±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

		EN	ASTM
Motor housing:	Aluminium	EN 1706: AC-43100	ASTM AISi10mg
Fasteners:	Stainless steel	10088: X5CrNi18-10 (1.4301)	AISI 304
Rotor shaft:	Stainless steel	10088: X20Cr13 (1.4021)	AISI 420
Volute, impeller:	Nodular cast iron	1563: ENGJS-HB150	ASTM A 563-80: 60-40-18
O-rings:	Nitrile rubber		

Discharge Connections

2", 2 ½", 3" (standard) hose connections
2", 2 ½", 3" B.S.P. threaded connections

Weight (without cable)

18 kg

Options and Accessories

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

