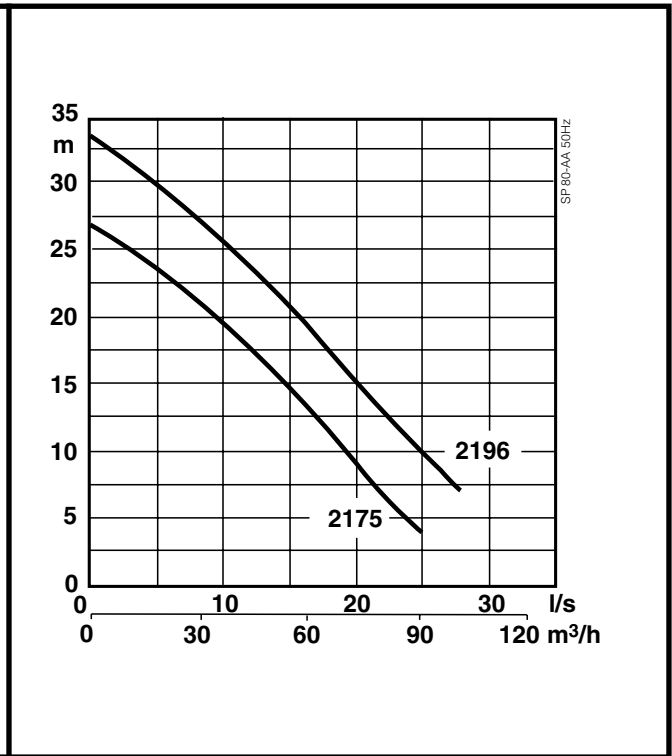
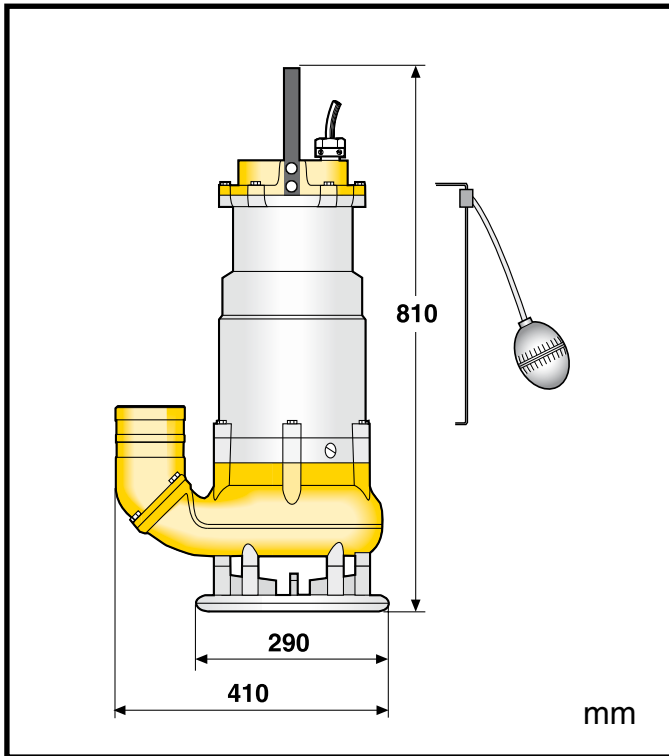


Submersible sludge pump

SP 80

50 Hz



SP80.02.0803. Eng/Digital
The manufacturer reserves the right to alter performance, specifications or design without notice.

Specification

Electric submersible clogless sludge pump.
Volute with free passage Ø 65 mm.
Protection class IP 68. Class F insulation.
Maximum submergence: 20 m.

Pump Types

SP 80-2175/2196 3-Phase
SP 80A-2175/2196 3-Phase (option built-in float switch, excl. 500V)

Electric Motor

3-phase squirrel-cage induction motor, 50 Hz
Motor rating P_2 : 8.0 kW
Speed: 2850 rpm

Voltage, V	230	400	500
Nominal current, A	27.8	16	12.2

Power Cable

20 m type HO7RN-F:
4 x 4 sq.mm. (230 V)
4 x 2.5 sq.mm. (400-500 V)

20 m type AO7RN-F:
7 x 2.5 sq.mm. (external motor protection, 400-500 V)
10 x 2.5 sq.mm. (external motor protection, star-delta start, 400-500 V)

Motor Protection

Built-in thermal motor protector with contactor unit and a bimetal microswitch in each stator winding.

Shaft Seal

Double mechanical seal in oil bath.

Primary seal: Silicon carbide on silicon carbide
Secondary seal: Stainless steel on antimony treated carbon

Bearings

Upper bearing: Single-row deep groove ball bearing
Lower bearing: Double angular contact ball bearing

Materials

	EN	ASTM
Motor housing:	Aluminium EN1706AC:-43100	ASTM AISi10mg
Fasteners:	Stainless steel 10088:X5CrNi18-10 (1.4301)	AISI 304
Rotor shaft:	Stainless steel 10088:X20Cr13 (1.4021)	AISI 420
Volute and impeller:	Nodular cast iron 1563:ENGJS-HB150	ASTM A536-80: 60-40-18

Discharge Connections

3", 4" (standard) hose connections.
3", 4" B.S.P. threaded connections.

Weight (without cable)

67 kg

Options and Accessories

Electronic motor supervision.
Automatic level control box.
Protection coating. Zinc anodes.
Adapter for guide rail 80 mm, 100 mm elbow.

