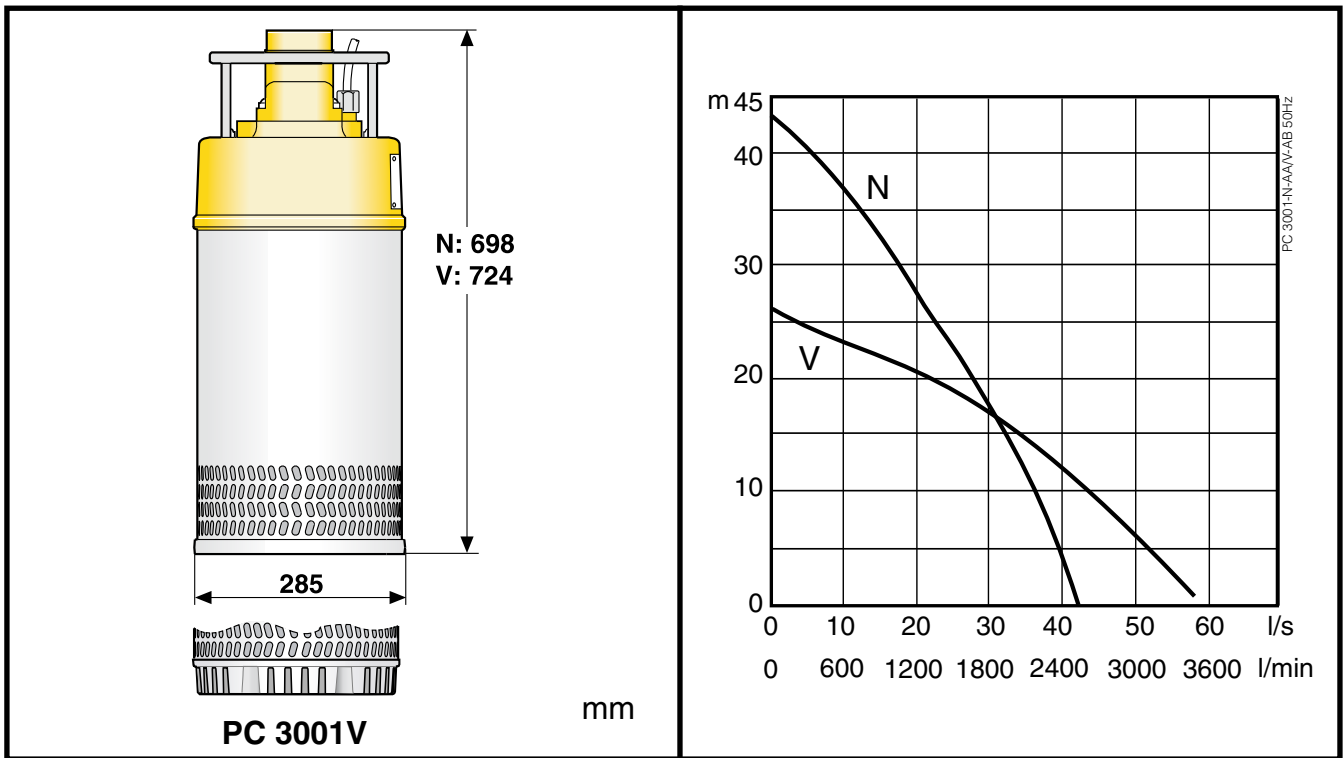


Submersible drainage pump

PC 3001 50 Hz



Specification

Electric submersible pump with double outer casing.
Protection class IP 68. Class F insulation.
Maximum submergence: 20 m.
Strainer hole 7,5 x 16,5 mm.

Pump Types

PC 3001 N Medium head.
PC 3001 V High flow.

Electric Motor

3-phase squirrel-cage induction motor, 50 Hz
Motor rating P_2 : 9.4 kW
Speed: 2850 rpm

Voltage, V	230	400	500
Nominal current, A	31	18	14

Power Cable

20 m type HO7RN-F:
4 x 4 sq.mm. (230-400 V)
4 x 2.5 sq.mm. (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 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
Castings:	Aluminium EN1706:AC-43100	ASTM AISi10mg
Casing and fasteners:	Stainless steel (1.4301)	10088:X5CrNi18-10 AISI 304
Shaft:	Stainless steel (1.4021)	10088:X20Cr13 AISI 420
Impeller V:	Hardened chrome steel	10088:X30Cr13 AISI 420 (1.4028)
Impeller N:	White cast iron	EN1695G-X260Cr27 ASTM A 532: Alloy III A

Rubber parts: Nitrile rubber

Discharge Connections

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

Weight (without cable)

70 kg

Options and Accessories

Series connection. Automatic level control box.
Electronic motor supervision. Zinc anodes.
Diffusers in polyurethane (N).

