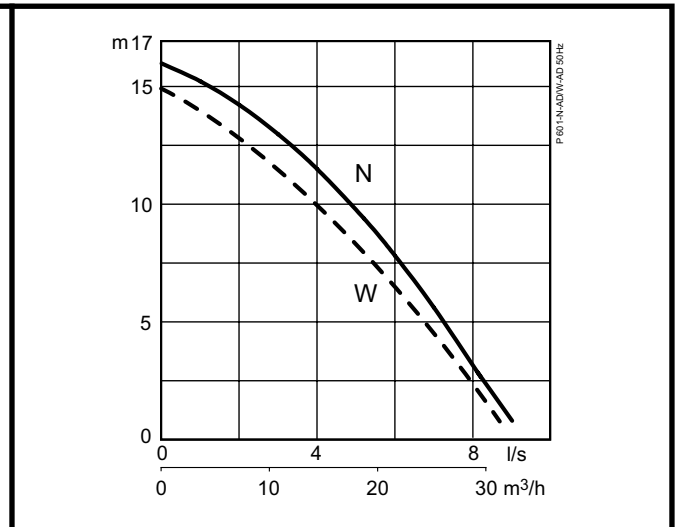
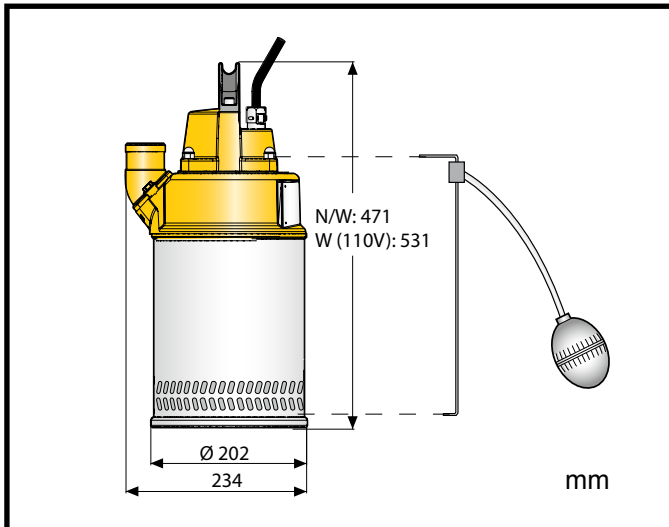


## Submersible drainage pump

# P 601

# P 601 W

50 Hz



### 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/m<sup>3</sup>  
 pH of the pumped medium 5-8.  
 Strainer hole 6.5 x 15.5 mm. Max number of starts 30/hour.

### Pump Types

P 601 W/WA\* Medium head, single-phase  
 P 601 N/NA\* Medium head, 3-phase

\*option: built in float switch excl. 500 V

### Electric Motor

Single-phase induction motor with built-in capacitor, 50Hz.  
 Service factor 1.1. Class F insulation.  
 Max. power input P<sub>1</sub>: 1.2 kW. Motor rating P<sub>2</sub>: 0.9 kW.  
 Speed: 2750 rpm

Voltage, V	110	230
Nominal current, A	10.9	5.2

3-phase squirrel-cage induction motor, 50Hz.  
 Service factor 1.1. Class F insulation.  
 Max. power input P<sub>1</sub>: 1.3 kW. Motor rating P<sub>2</sub>: 1.0 kW.  
 Speed: 2800 rpm  
 D.O.L. start with built-in contactor

Voltage, V	230	400	500
Nominal current, A	4.0	2.3	1.9

### Power Cable

20 m type S1BN8-F:  
 4 x 1.5 sq.mm. (3-phase)  
 3 x 1.5 sq.mm. (single-phase)

### Motor Protection

Built-in thermal switches in the stator winding (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
Castings:	Aluminium	EN 1706: AC-43100 ASTM AISI10mg
Casing / Fasteners:	Stainless steel	10088: X5CrNi18-10 (1.4301) ASTM AISI 304
Shaft:	Stainless steel	10088: X20Cr13 (1.4021) ASTM AISI 420
Impeller:	White cast iron	EN-GJN-HV600 (XCr23) ASTM A 532: Alloy III A
Wear parts / O-rings:	Nitrile rubber	

### Discharge Connections

1 ½", 2" (standard), 2 ½", 3" hose connections  
 2", 2 ½", 3" B.S.P. threaded connections

### Weight (without cable)

16.0 kg

### Options and Accessories

Zinc anodes. Surface protection coating  
 Bottom suction adapter. Series connection.  
 Starter and control units. PumpFloater. Emergency kit. Service kit  
 Discharge connection accessories and hose