

# Submersible Drainage Pump Type ABS J 12

EN 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 22 mm. • Max number of starts 30/hour.

### J 12 W/WKS\* Medium head, single-phase.

### J 12 D/DKS\* 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.  
 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, 50 Hz.  
 Service factor 1.1. Class F insulation.  
 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

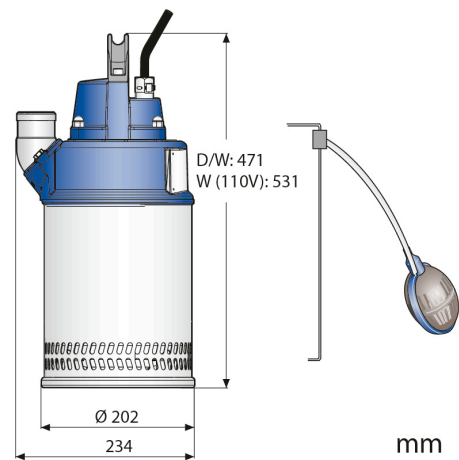
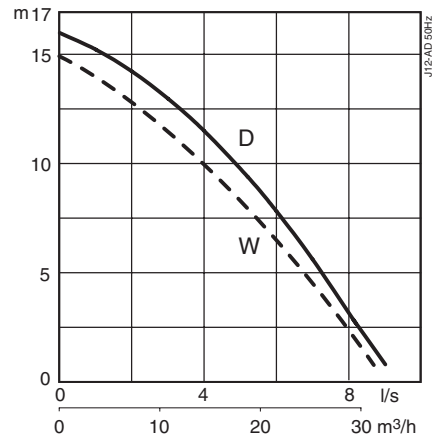
Double mechanical seal in oil bath.  
 Primary seal: Silicon carbide on silicon carbide.  
 Secondary seal: Silicon carbide on silicon carbide.

## Bearings

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

## Discharge Connections

1 1/2", 2" (standard), 2 1/2", 3" hose connections.  
 2", 2 1/2", 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 • Floatation ring  
 Carry case • Repair kit  
 Discharge connection accessories and hose

Materials		EN	ASTM
Castings:	Aluminium	EN 1706: AC-43100	ASTM AlSi10mg
Casing and fasteners:	Stainless steel	10088:X5CrNi18-10 (1.4301)	AISI 304
Shaft:	Stainless steel	10088:X20Cr13 (1.4021)	AISI 420
Impeller:	White cast iron	EN-GJN-HV600(XCr23)	ASTM A 532: Alloy III A
Wear parts / O-rings:	Nitrile rubber		

