

# Submersible Drainage Pump Type ABS J 15

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/m³. • pH of the pumped medium 5-8.  
Strainer hole 6.5 x 22 mm. • Max number of starts 30/hour.

### J 15 W/WKS\* Medium head, single-phase.

### J 15 D/DKS\* Medium head, 3-phase.

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

### Electric Motor

Single-phase induction motor with built-in start and run capacitor, 50Hz.  
Service factor 1.1. Class F insulation.  
Motor rating  $P_2$ : 1.4 kW. Speed: 2800 rpm

Voltage, V	230
Nominal current, A	8.1

3-phase squirrel-cage induction motor, 50 Hz.  
Service factor 1.1. Class F insulation.  
Motor rating  $P_2$ : 1.4 kW. Speed: 2800 rpm  
D.O.L. start with built-in contactor.

Voltage, V	230	400	500
Nominal current, A	5.0	2.9	2.3

### 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

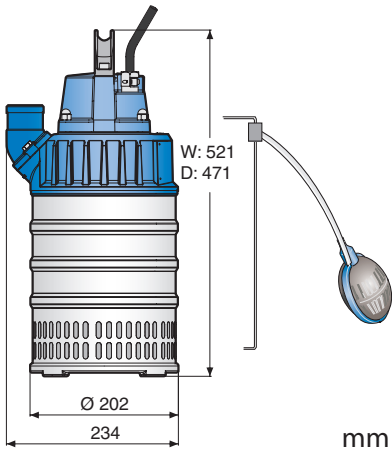
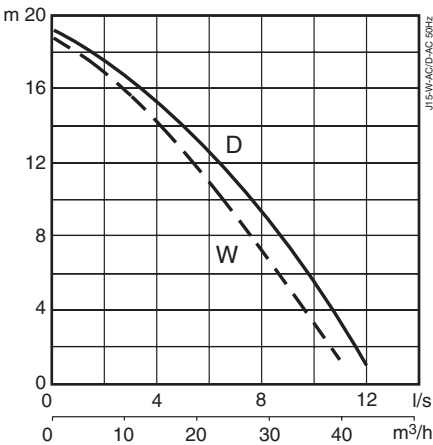
Double mechanical seal in oil bath.  
Primary seal: Silicon carbide on silicon carbide.  
Secondary seal: Silicon carbide on silicon carbide.

### 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)

D: 16.5 kg, W: 18.0 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		