Submersible Drainage Pump J 15



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 capactor, 50 Hz.

Service factor 1.1. Class F insulation.

Motor rating P₂: 1.4 kW. Speed: 2720 rpm ŋ: 75.0 (50 %), 74.4 (75 %), 69.7 (100 % load)

| Voltage, V | 230 |
|--------------------|-----|
| Nominal current, A | 9.4 |

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.

ŋ: 81.3 (50 %), 79.4 (75 %), 74.6 (100 % load)

| Voltage, V | 230 | 400 | 500 |
|--------------------|-----|-----|-----|
| Nominal current, A | 5.2 | 3.1 | 2.4 |

Power cable

20 m type H07RN8-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.

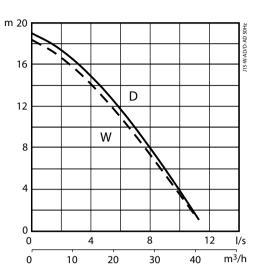
Primary seal: Silicon carbide on silicon carbide. Secondary seal: Silicon carbide on silicon carbide.

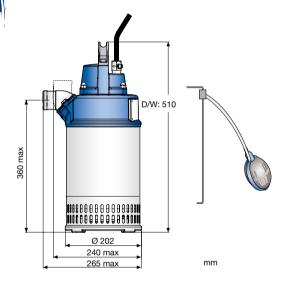
Bearings

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

Discharge connections

1 $\frac{1}{2}$ ", 2" (standard), 2 $\frac{1}{2}$ ", 3" hose connections. 2", 2 $\frac{1}{2}$ ", 3" B.S.P. threaded connections.





Weight

D: 19 kg, W: 21 kg (without cable)

Options and accessories

Zinc anodes. Surface protection coating.

Bottom suction adapter. Series connection.

Starter and control units. Floatation ring. Repair kit.

Discharge connection accessories and hose.

Materials

| Description | Material | EN | ASTM |
|----------------------|-----------------|----------------------------|-------------------------|
| Castings | Aluminium | EN 1706:AC-43100 | ASTM AlSi10mg |
| Casing / 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 | | |