

# Submersible drainage pump J 15

**SULZER**

## Specification

Electric submersible pump.

Maximum submergence: 65 ft. Protection class IP 68.

Max temperature of pumped medium at max power input and continuous duty 104 °F.

Max medium density 0.0397 lbs/inch<sup>3</sup>. pH of the pumped medium 5-8.

Strainer hole: 1/4" x 7/8". 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. 575 V

## Electric motor

Single-phase induction motor with built-in start and run capacitor, 60 Hz.

Service factor 1.1. Class F insulation.

Motor rating P<sub>2</sub>: 2.0 Hp. Speed: 3420 rpm

η: 60.4 (50 %), 68.7 (75 %), 70.2 (100 % load)

Voltage, V	230
Nominal current, A	10.3

3-phase squirrel-cage induction motor, 60 Hz.

Service factor 1.1. Class F insulation.

Motor rating P<sub>2</sub>: 2.3 Hp. Speed: 3320 rpm.

D.O.L. start with built-in contactor.

η: 83.8 (50 %), 81.0 (75 %), 76.1 (100 % load)

Voltage, V	230	460	575
Nominal current, A	6.2	3.1	2.5

## Power cable

Heavy duty power cable for submersible pump applications.

65 ft AWG 14/3 SOOW (UL, CSA, MSHA), single-phase

65 ft AWG 16/4 SOOW (UL, CSA, MSHA), 3-phase

## Motor protection

Built-in thermal switches in the stator windings (284°F, ±5).

## Shaft seal

Double mechanical seal in oil bath.

Primary seal: Silicon carbide on silicon carbide.

Secondary seal: Silicon carbide on silicon carbide.

## Bearings

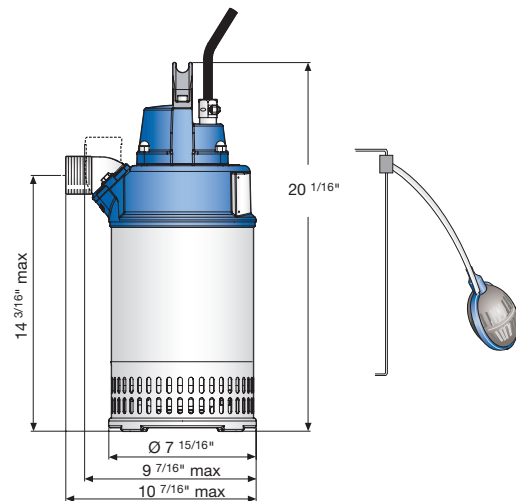
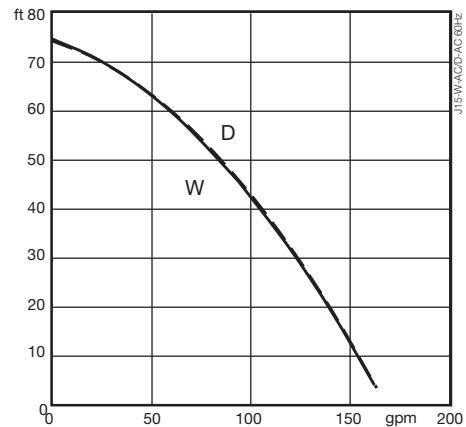
Upper bearing: Single-row deep groove ball bearing.

Lower bearing: Double angular contact ball bearing.

## Discharge connections

1 1/2", 2", 2 1/2", 3" hose connections.

2" (standard), 3" NPT threaded connections.



## Weight

D: 42 lb, W: 46 lb (without cable)

## 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

Description	Material	ASTM
Castings	Aluminium	ASTM AISI10mg
Casing / Fasteners	Stainless steel	AISI 304
Shaft	Stainless steel	AISI 420
Impeller	High-chrome alloy	ASTM A 532: Alloy III A
Wear parts / O-rings	Nitrile rubber	