Submersible Sludge Pump JS 15

SULZER

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 with free passage 45 x 40 mm. Max no. of starts 30/hour.

Max impeller diameter requires half motor or more submersed for continuous duty. (Pump can operate lying down.)

JS 15 D/DKS* -114**   3-phase
JS 15 D/DKS* -126   3-phase

* option: built in float switch excl. 500 V

** Impeller diameter for duty with low water level or intermittent dry running.

Electric Motor

3-phase squirrel-cage induction motor, 50 Hz.

Service factor 1.1. Class F insulation.

Motor rating P_2: 1.3 kW. Speed: 2850 rpm

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

Voltage, V	230	400	500
Nominal current, A	4.5	2.6	2.1

Power Cable

20 m type H07RN8-F:

4 x 1.5 sq.mm. (3-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.

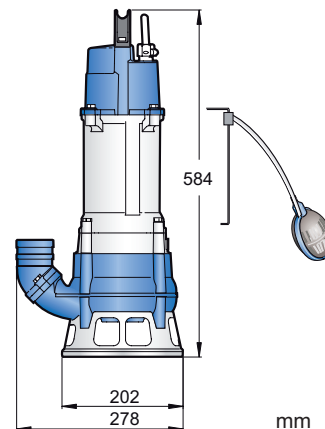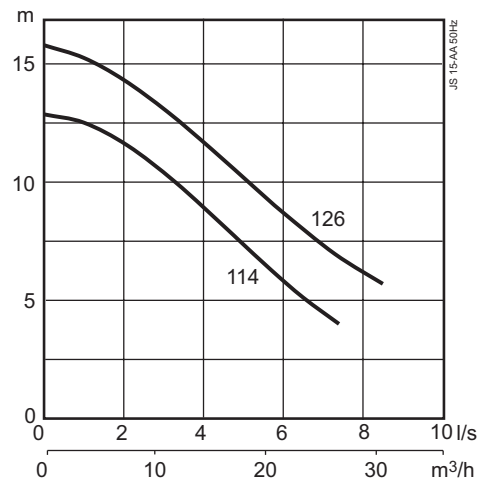Secondary seal: Silicon carbide on silicon carbide.

Bearings

Upper bearing: Single-row deep groove ball bearing.

Lower bearing: Single-row deep groove ball bearing.

Discharge Connections

2", 2 ½", 3" (standard) hose connections.

2", 2 ½", 3" B.S.P. threaded connections.

Weight

18 kg (without cable)

Options and Accessories

Zinc anodes. Surface protection coating.

Starter and control units.

Floatation ring. Repair kit.

Discharge connection accessories and hose.

Materials

Description	Material	EN	ASTM
Motor housing	Aluminium	EN 1706:AC-43100	ASTM AlSi10mg
Fasteners	Stainless steel	10088:X5CrNi18-10 (1.4301)	AISI 304
Rotor shaft	Stainless steel	10088:X20Cr13 (1.4021)	AISI 420
Volute / Impeller	Nodular cast iron	1563:ENGJS-HB150	ASTMA A 563-80: 60-40-18
O-rings	Nitrile rubber		