

ABS submersible sludge pump JS 24

Specification

Electric submersible pump.
Maximum submergence: 20 m [65 ft]. • Protection class IP 68.
Max temperature of pumped medium at max power input and continuous duty 40°C (104°F).
Max medium density 1100 kg/m³ (0.0397 Lbs/inch³)
pH of the pumped medium 5-8.
Strainer with free passage 55x40 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 24 D/DKS* -115 3-phase.**

JS 24 D/DKS* -124 3-phase.

*option: built in float switch, excl 575 V
** Impeller diameter for duty with low water level or intermittent dry running.

Electric Motor

3-phase squirrel-cage induction motor, 60 Hz.
Service factor 1.1. Class F insulation.
Motor rating P₂: 2.2 kW (3 Hp). Speed: 3460 rpm
D.O.L. start with built-in contactor.

Voltage, V	230	380	460	575
Nominal current, A	8.2	5.0	4.1	3.3

Power Cable

20 m/65 ft type HO7RN-F (standard cable):
4 x 1.5 sq.mm.

20m/65 ft NSSHÖU.../3E (heavy duty cable):
3x1.5+3x1.5/3E (230-575V)

Motor Protection

Built-in thermal switches in the stator windings (140°C/284°F, ±5),
connected to built-in contactor.

Shaft Seal

Double mechanical seal in oil bath.
Primary seal: Silicon carbide on silicon carbide.
Secondary seal: Stainless steel on antimony treated carbon.

Bearings

Upper bearing: Single-row deep groove ball bearing.
Lower bearing: Double angular contact ball bearing.

Discharge Connections

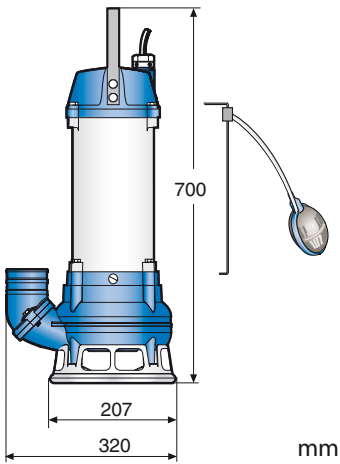
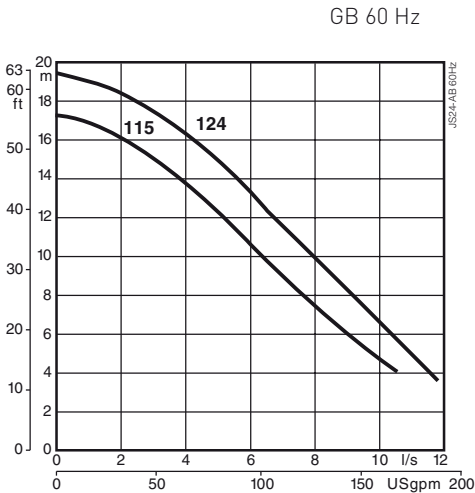
2 1/2", 3" (standard), 4" hose connections.
2 1/2", 3", 4" B.S.P. thread.
3", 4" NPT thread.

Weight (without cable)

29 kg/64 lbs

Options and Accessories

Zinc anodes • Surface protection coating
Electronic motor supervision • Starter and control units
Automatic level control unit • Floatation ring • Repair kit
Discharge connection accessories and hose



Materials		EN	ASTM
Motor housing	Aluminium	EN 1706: AC-43100	ASTM AlSi10mg
Handle and fasteners	Stainless steel	10088:X5CrNi18-10 (1.4301)	AISI 304
Rotor shaft	Stainless steel	10088:X20Cr13 (1.4021)	AISI 420
Volute and impeller	Nodular cast iron	1563:ENGJS-HB150	ASTM A 536-80: 60-40-18
O-rings	Nitrile rubber		