

ABS submersible drainage pump J 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 hole 7.5 x 22 mm. • Max number of starts 30/hour.

GB 60 Hz

J 24 ND Medium head, 3-phase.

J 24 HD High head, 3-phase.

Electric Motor

3-phase squirrel-cage induction motor, 60 Hz
 Service factor 1.1. Class F insulation.
 Motor rating P₂: 2.8 kW (3.7 Hp). Speed: 3460 rpm
 D.O.L. start with built-in contactor

Voltage, V	230	380	460	575
Nominal current, A	9.8	5.9	4.9	3.9

Power Cable

20 m/65 ft S1BN8-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

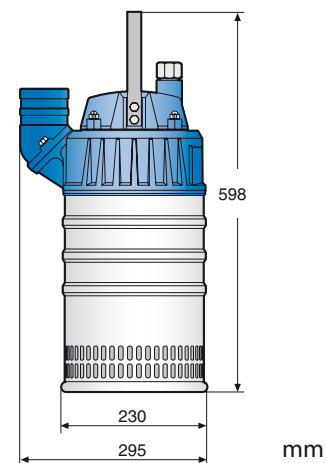
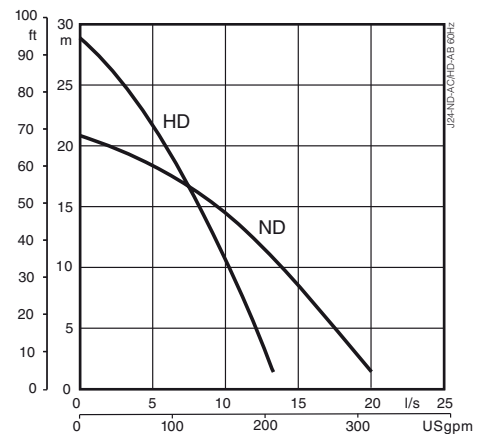
Upper bearing: Single-row deep groove ball bearing.
 Lower bearing: Double angular contact ball bearing.

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
 Diffuser in polyurethane • Electronic motor supervision
 Bottom suction adapter • Series connection
 Starter and control units • Automatic level control unit
 Floatation ring • Repair kit
 Discharge connection accessories and hose

Materials		EN	ASTM
Castings	Aluminium	EN 1706: AC-43100	ASTM AlSi10mg
Casing / Handle / 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		