

# ABS submersible drainage pump J 12

## 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 12 W/WKS\* Medium head, single-phase.

### J 12 D/DKS\* Medium head, 3-phase.

\*option: built in float switch, excl. 575 V

## Electric Motor

Single-phase induction motor with built-in capacitor, 60Hz.  
 Service factor 1.1. Class F insulation.  
 Dual voltage stator 115/230 V (single voltage contactor coil)  
 Motor rating P<sub>2</sub>: 1.5 Hp. Speed: 3310 rpm

Voltage, V	115/230
Nominal current, A	13.0/6.5

3-phase squirrel-cage induction motor, 60 Hz.  
 Service factor 1.1. Class F insulation.  
 Dual voltage stator 230/460 V (single voltage contactor coil)  
 Motor rating P<sub>2</sub>: 1.5 Hp. Speed: 3400 rpm  
 D.O.L. start with built-in contactor.

Voltage, V	208	230/460	575
Nominal current, A	4.9	4.4/2.2	1.8

## 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.

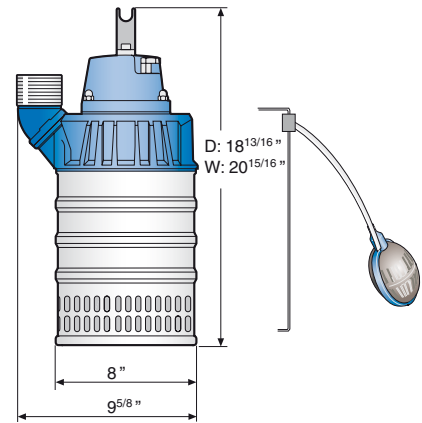
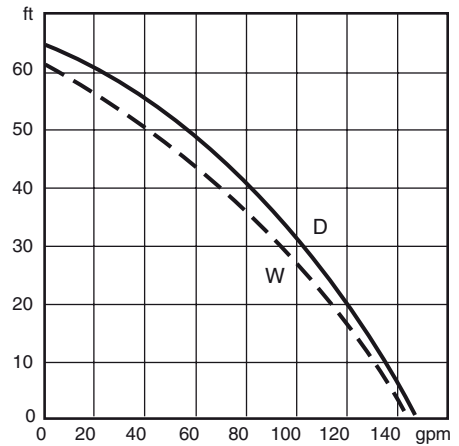
## Discharge Connections

1 1/2", 2", 2 1/2", 3" hose connections.  
 2" (standard), 3" NPT threaded connections.

## Materials

Materials		ASTM
Castings	Aluminium	ASTM A51310mg
Casing and 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	

US 60 Hz



## Weight (without cable)

35 lb

## 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