



# Submersible Pump

## Model S3B18

### Size 3"

**PUMP SPECIFICATIONS**

**Suction Head:** Aluminum Alloy 356-T6 With Bonded Nitrile Lining;  
Maximum Operating Pressure 50 psi (345 kPa).\*

**Impeller:** Stainless Steel Type CD4MCu.

**Seal Plate:** Aluminum Alloy 356-T6 With Bonded Nitrile Lining.

**Intermediate:** Aluminum Alloy 356-T6.

**Motor Housing:** Aluminum Alloy 356-T6.

**Motor Shaft:** Stainless Steel 416.

**Shaft Sleeve:** Stainless Steel 316.

**Bearings:** Upper, Open Single Row Ball Bearing.  
Lower, Two Shield, Double Row Ball Bearing.

**Discharge Flange:** Aluminum Alloy 356-T6.

**Gaskets:** Cork with Nitrile Binder (NC710).

**O-Rings:** Buna-N.

**Wetted Hardware:** Standard Plated Steel and Stainless Steel.

**Strainer:** Stainless Steel Type 303/304;  
52% Open Area, 0.375" (9.5 mm) Diameter Openings.

**Hoisting Bail:** Urethane Coated Steel.

**Standard Equipment**

**NEMA Type 3R Rainproof Control Box.** (See Section 130, Pages 80 and 85.)

Provides On-Off, Circuit Breaker and Motor Overload Protection.

**Optional Equipment**

**Liquid Level Control:** (See Sec. 130, Page 150.)

- a. Turtle Type Pressure Activated Level Switch.
- b. Float Activated Level Switch.

**Staging Adapter Kit.**

**MOTOR/CABLE SPECIFICATIONS**

**Motor:** Oil Filled Enclosure; 6.0 H.P.; 3450 R.P.M.

**Single Phase:** 230 Volt, 60 Hz, 34 Full Load AMPS, 7.2 kW (Max.)

**Three Phase:** 200/230/460/575 Volt, 60 Hz, 26.5/23/11.5/9.2  
Full Load AMPS, 6.8 kW (Max.)

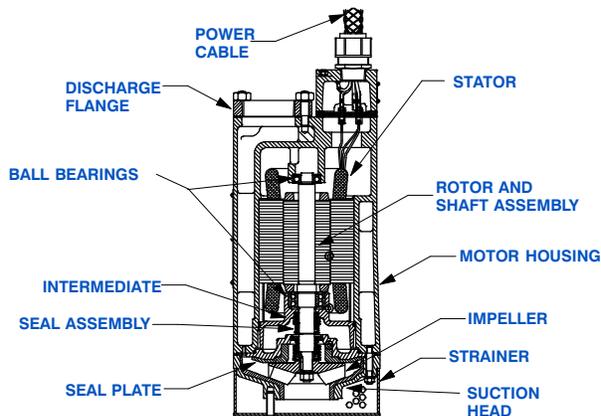
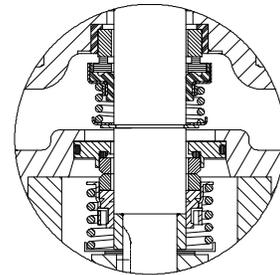
**Power Cable:** (200V/230V/460V) 6 Wire; Type GGC; 8 AWG; 3 Power  
Conductors, 2 Ground and 1 Ground Check. (575V) 4 Wire; Type  
SO/SOW/SOOW; 10 AWG; 3 Power Conductors, Plus 1 Ground.  
Nominal Length 50 Feet (15 m). Standard.  
(Specify Alternate Length at Time of Order.)

**Recommended Generator Size:** 15 kW Across the Line Start.

*\*Consult Factory for Applications Exceeding Maximum  
Pressure and/or Temperature Indicated.*



**WARNING!**  
Do not use in explosive atmosphere or for pump-  
ing volatile flammable liquids.



**SEAL SPECIFICATIONS**

Tandem, Oil Lubricated.

**Upper Seal:** Type 21, Mechanical. Carbon Rotating Face.  
Ni-Resist Stationary Face. Buna-N Elastomers.  
Stainless Steel 18-8 Cage and Spring.

**Lower Seal:** Type 2, Mechanical. Tungsten Titanium  
Carbide Rotating and Stationary Faces. Stainless  
Steel 316 Stationary Seat. Fluorocarbon  
Elastomers (DuPont Viton® or Equivalent). Stainless  
Steel 303/304 Cage and Spring.

Maximum Temperature of Liquid Pumped, 122°F (50°C).\*



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Specifications Subject to Change Without Notice

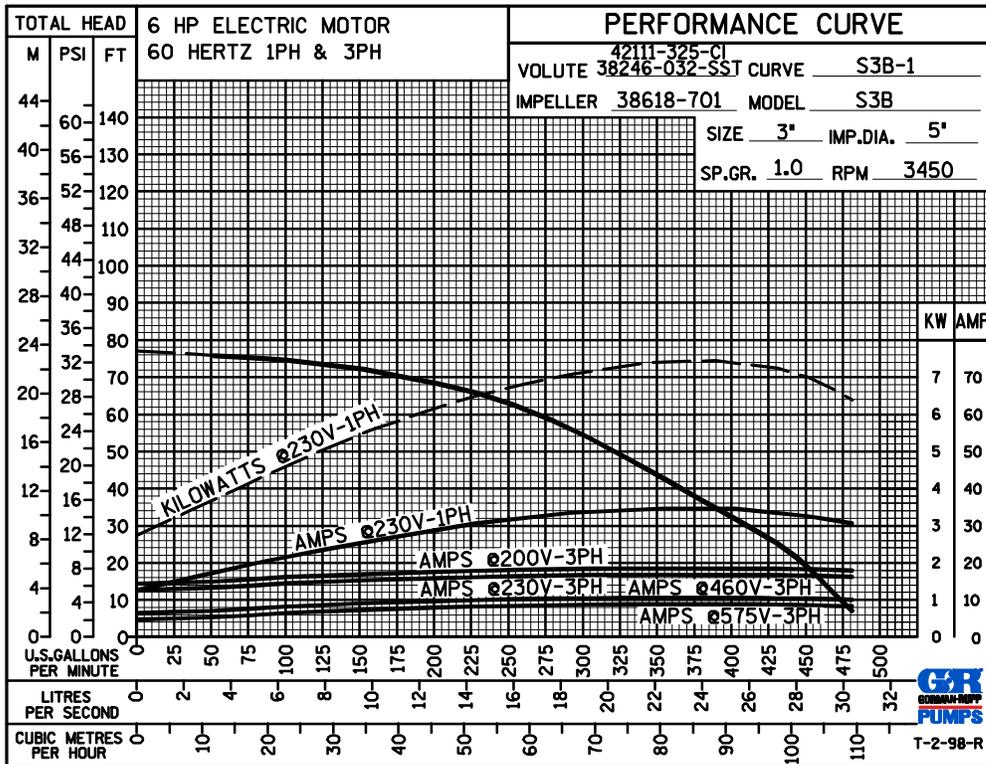
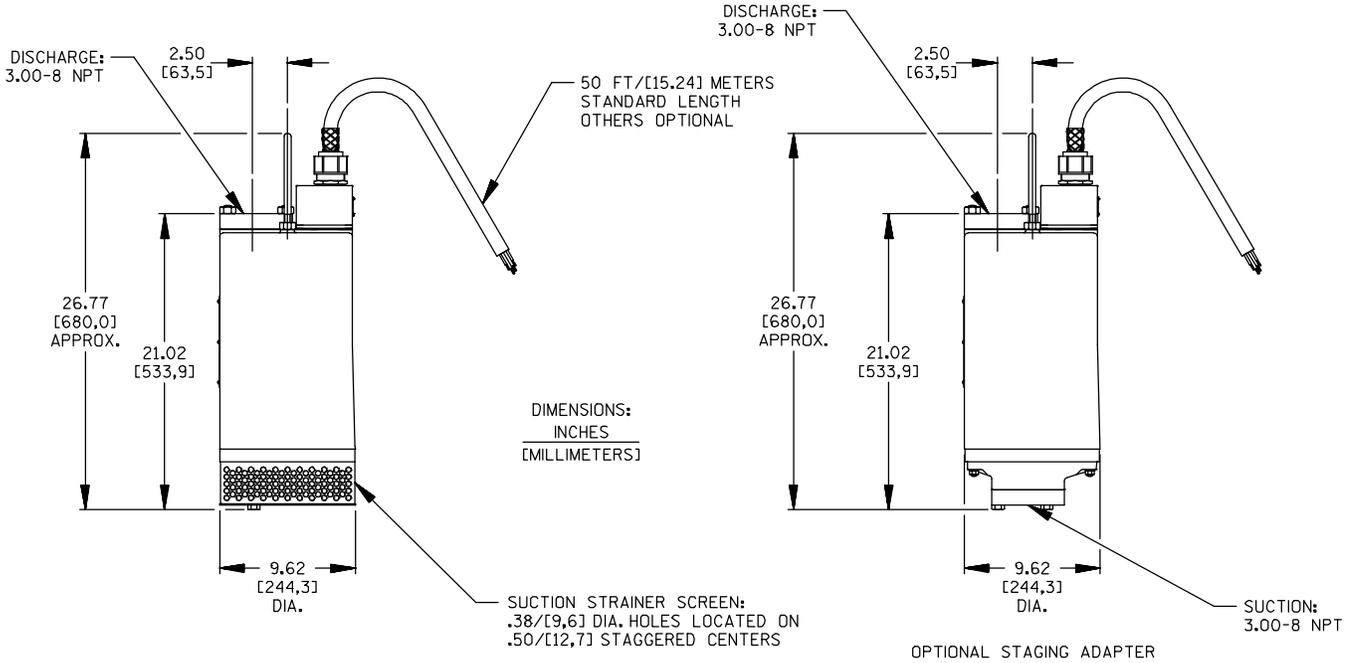
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**Specification Data**

**SECTION 130, PAGE 700**

APPROXIMATE  
DIMENSIONS and WEIGHTS

**NET WEIGHT:** 145 LBS. (65,8 KG.)  
**SHIPPING WEIGHT:** 155 LBS. (70,3 KG.)  
**EXPORT CRATE SIZE:** 7.8 CU. FT. (0,22 CU. M.)



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