

Electric Motor Driven  
Stainless Steel Fitted

# Submersible Pump

## Model S3C18

### Size 3"



**PUMP SPECIFICATIONS**

**Suction Head:** Aluminum Alloy 356-T6 w/Bonded Nitrile Lining;  
Maximum Operating Pressure 74 psi (510 kPa).\*

**Impeller:** Stainless Steel Type CD4MCu.

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

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

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

**Motor Shaft:** Stainless Steel 416.

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

**Shaft Sleeve:** Stainless Steel 316.

**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 304; 52% Open Area,  
0.38" (9,6 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.

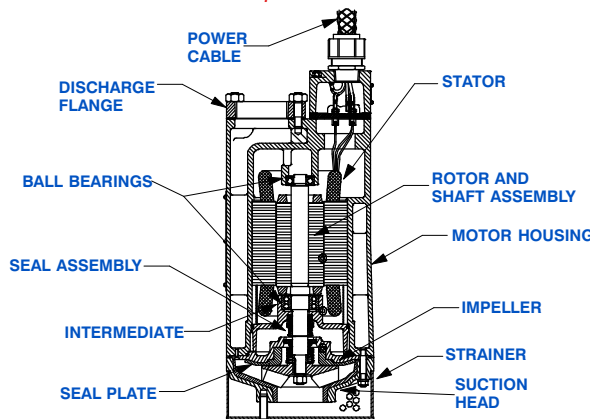
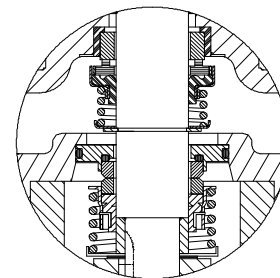
(Specify Alternate Length at Time of Order.)

**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 pumping 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 304 Cage and Spring.

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



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Specifications Subject to Change Without Notice

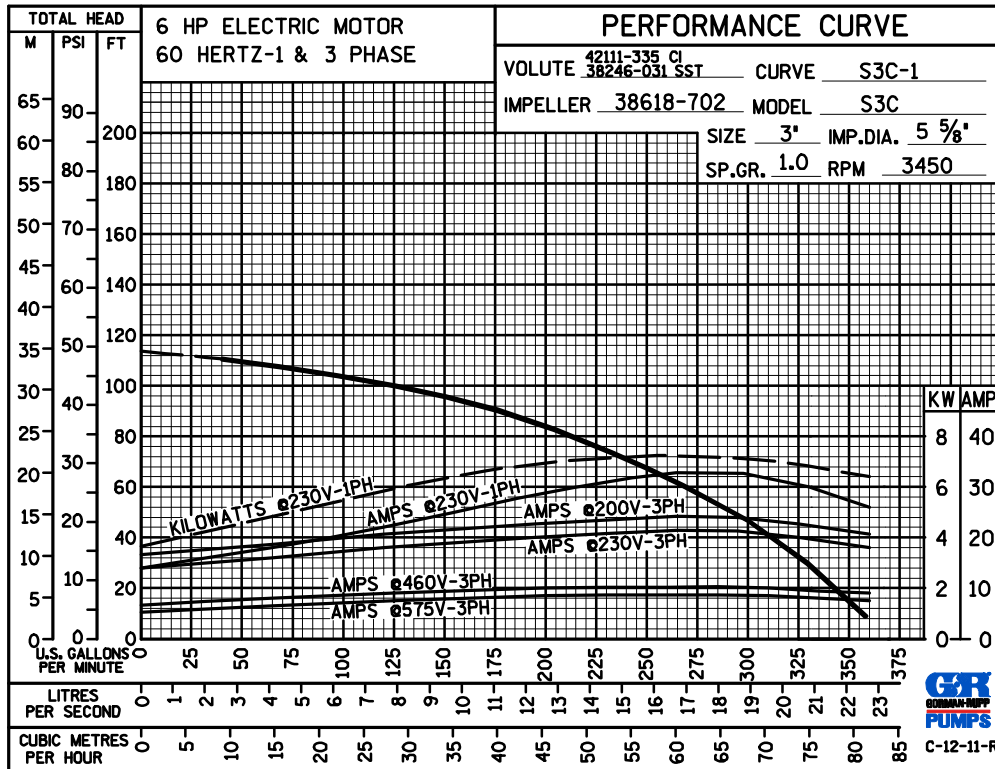
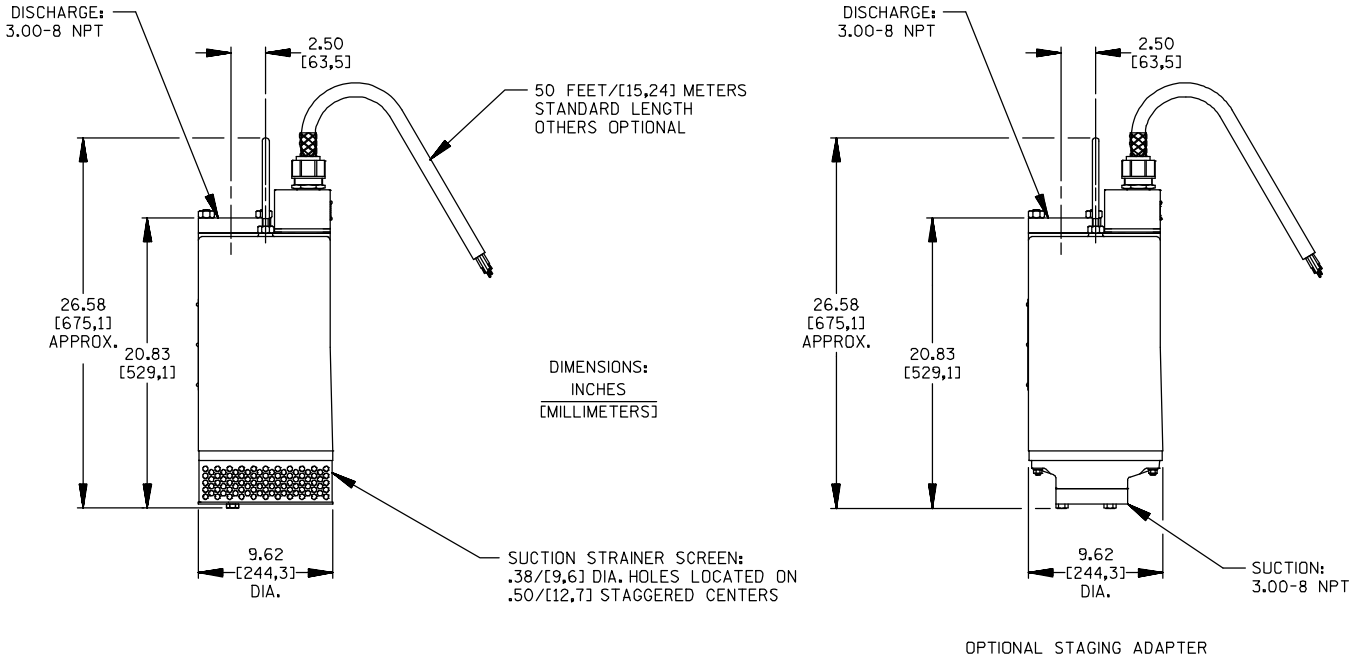
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**Specification Data**

**SECTION 130, PAGE 760**

APPROXIMATE  
DIMENSIONS and WEIGHTS

**NET WEIGHT: 153 LBS. (69,4 KG.)**  
**SHIPPING WEIGHT: 168 LBS. (76,2 KG.)**  
**EXPORT CRATE SIZE: 7.8 CU. FT. (0,22 CU. M.)**



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