



# Electric Motor Driven Submersible Pump

## Model SM3C1-X6

### Size 3"

**PUMP SPECIFICATIONS**

MSHA PUMP APPROVAL NO. 2G-3971A-0.

COMMONWEALTH OF PENNSYLVANIA APPROVAL NO. BFE-637-77.

**Suction Casing:** Aluminum Alloy 356-T6 w/Bonded Nitrile Lining;

Maximum Operating Pressure 74 psi (510 kPa).\*

**Impeller:** Ductile Iron 65-45-12.**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, Two Synthetic Seals, Single Row Ball Bearing.

Lower, Two Shields, Double Row Ball Bearing.

**Shaft Sleeve:** Stainless Steel 304.**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:** Urethane Coated Steel; 51% Open Area,  
0.375" (9,5 mm) Diameter Openings.**Hoisting Bail:** Urethane Coated Steel.**Standard Equipment****NEMA Type 10 Explosion Proof Control Box:**

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

MSHA Certification No. X/P-3026-1.

**Optional Equipment**

Staging Adapter Kit.

MSHA-Certified Automatic Control Box, [Single Ball Type Float Switch](#).\*\*

\*\*Cable Lengths From 50 to 400 Feet Available.

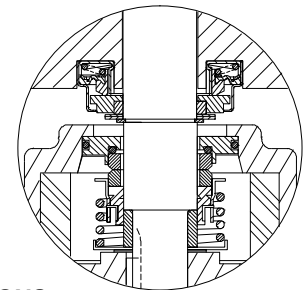
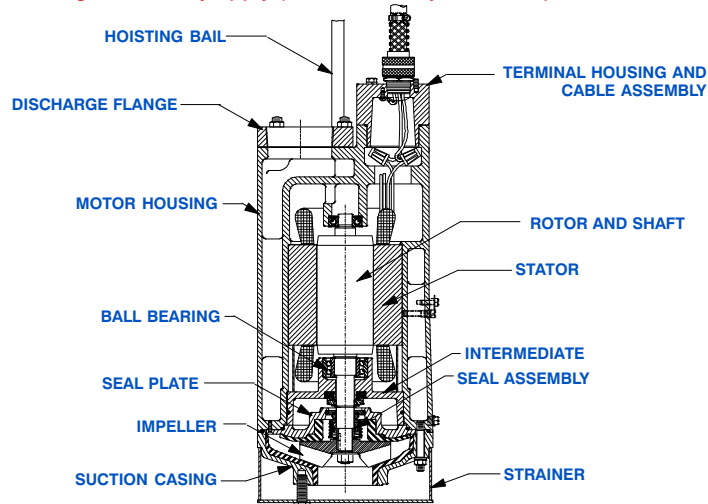
**MOTOR/CABLE SPECIFICATIONS****Motor:** Air Filled Enclosure.6.0 H.P.; 3450 R.P.M.; 60 Hz.

Three Phase, 460/575 Volt, 10.8/8.6 Full Load AMPS, 6.8 kW (Max.).

MSHA Certification No. X/P-3185-0.

**Power Cable:** 7 Wire, Type SPC; (3) 12 AWG Power Conductors, (2) 14 AWG  
Control Conductors, (1) 10 AWG Ground Conductor and (1) 14 AWG Ground  
Check Conductor. Nominal Length 50 Feet (15 m) Standard.

(Specify Alternate Length at Time of Order.)\*\*\*

\*\*\*Circuit Breaker Amp Rating and Maximum Combined Length of Motor and  
Trailing Cables May Apply (Consult Factory for Details).**SEAL SPECIFICATIONS**

Tandem, Oil Lubricated.

**Upper:** Type 22, Mechanical. Cast Iron Rotating Face, and  
Carbon Stationary Face. Neoprene and Buna-N Elastomers.  
Carbon Steel Spring and Plated Steel Cage.**Lower:** 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).\*

\* Consult Factory for Applications Exceeding  
Maximum Pressure and/or Temperature Indicated.**GORMAN-RUPP PUMPS**

www.grpumps.com

Specifications Subject to Change Without Notice

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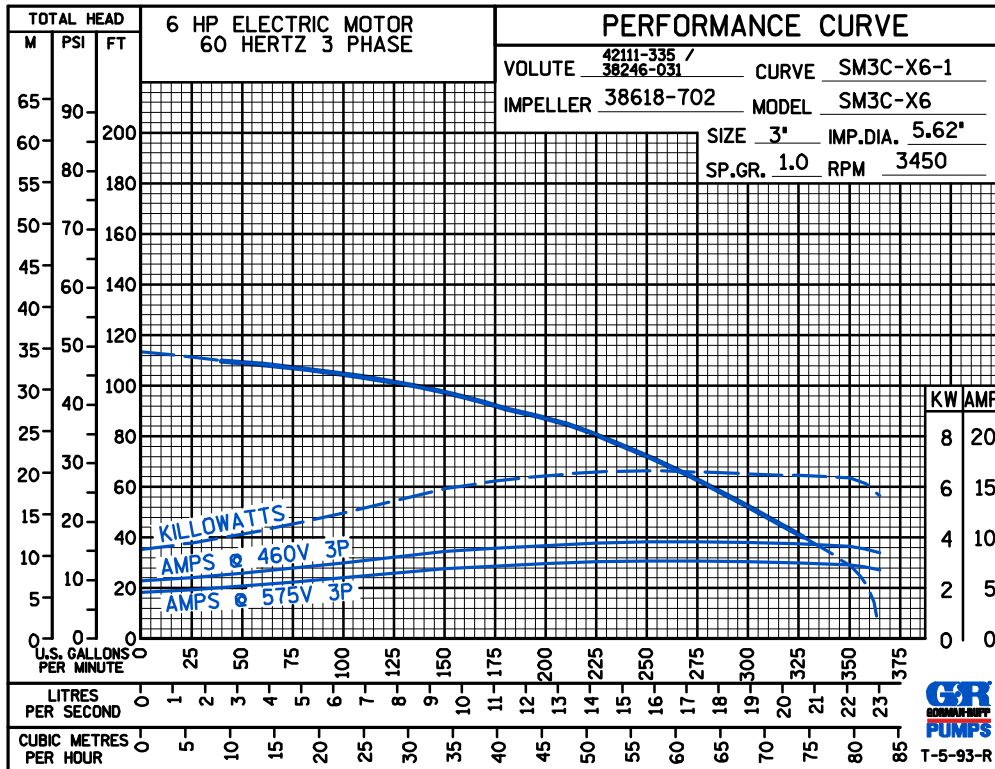
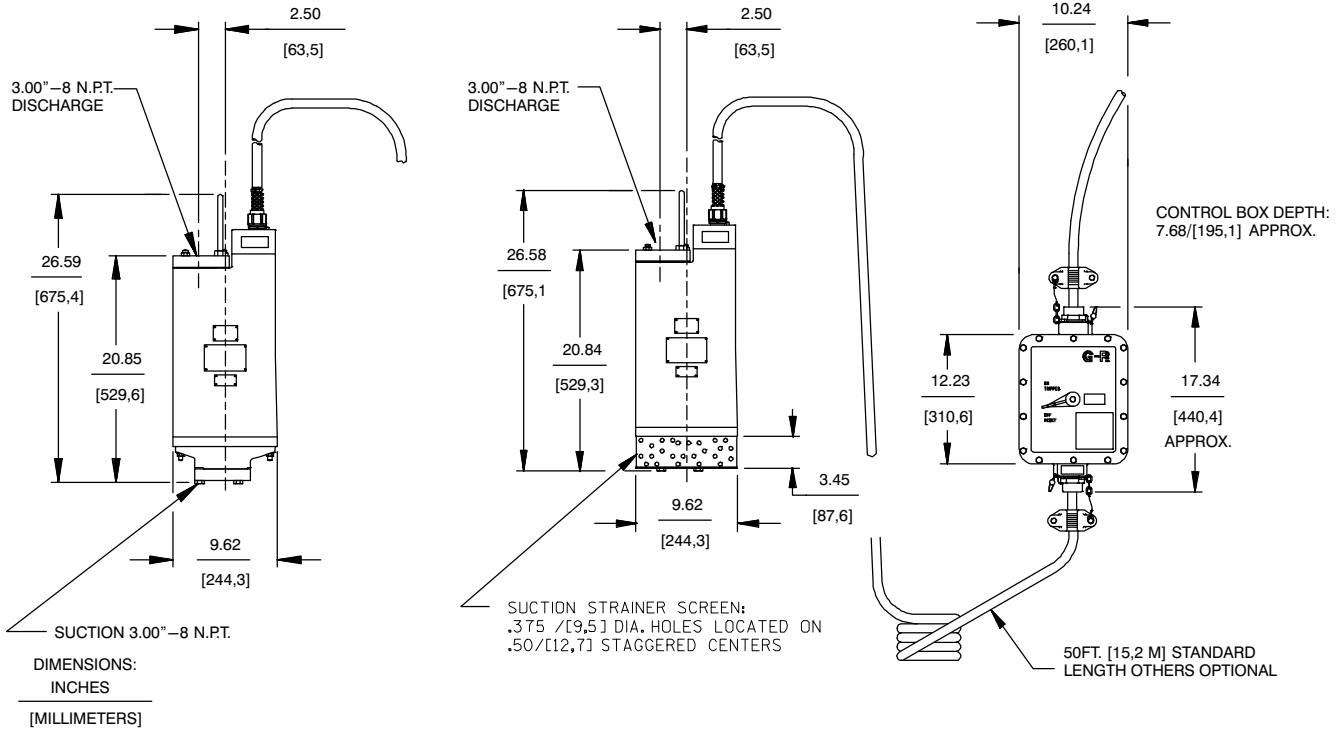
# Specification Data

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APPROXIMATE  
DIMENSIONS and WEIGHTS

**PUMP & CABLE NET WEIGHT:**  
**CONTROL BOX NET WEIGHT:**  
**GROSS SHIPPING WEIGHT:**  
**EXPORT CRATE:**

**128 LBS. (58 KG.)**  
**35 LBS. (16 KG.)**  
**172 LBS. (78 KG.)**  
**6.2 CU. FT. (0,18 CU. M.)**



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