



Submersible Pump

Model SM4D1-X10

Size 4"



PUMP SPECIFICATIONS

MSHA PUMP APPROVAL 2G-3971A-0.

COMMONWEALTH OF PENNSYLVANIA APPROVAL BFE-637-77.

Diffuser: G-R Hard Iron;

Maximum Operating Pressure 105 psi (724 kPa).*

Impeller: G-R Hard Iron.

Wear Plate: Carbon Steel ASTM A36.

Seal Plate: G-R Hard Iron.

Intermediate: Aluminum Alloy 356-T6.

Casing: Aluminum Alloy 6061-T6 with Chromicoat.

Motor Housing: Aluminum Alloy 356-T6.

Rotor Shaft: Stainless Steel 416.

Shaft Sleeve: Stainless Steel 304.

Bearings: Upper - Two Synthetic Seals, Single Row Ball Bearing.
Lower - Two Synthetic Seals, Double Row Ball Bearing.

Discharge Flange: Aluminum Alloy 356-T6.

Gaskets: Cork with Nitrile Binder (NC710).

O-Rings: Fluorocarbon (DuPont Viton® or Equivalent) and Buna-N.

Wetted Hardware: Standard Plated Steel and Stainless Steel.

Strainer: Urethane Coated Steel; 50.6% 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 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.*

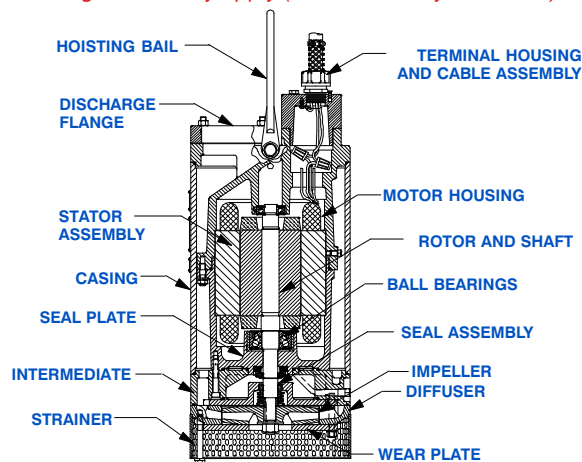
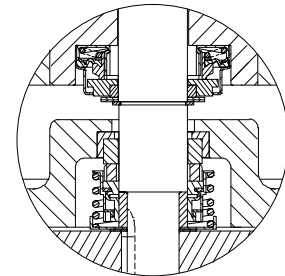
MOTOR/CABLE SPECIFICATIONS

Motor: Air Filled Enclosure; 10.0 H.P.; 3450 R.P.M.; Three Phase;
460/575 Volt, 60 Hz, 17/13.6 Full Load AMPS; 12 kW (Max.)

MSHA Approval 7J-97016-0.

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 DETAIL

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 Seal: Type 2, Mechanical. Tungsten Titanium Carbide Rotating Face and Silicon Carbide Stationary Face. 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.*



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Specifications Subject to Change Without Notice

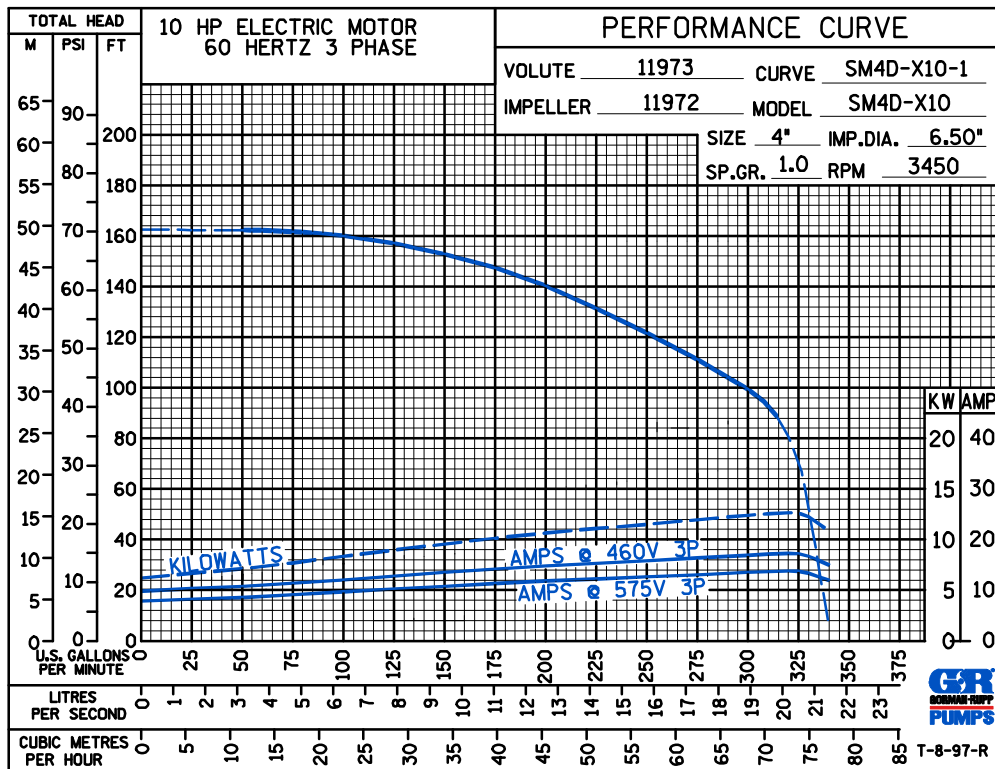
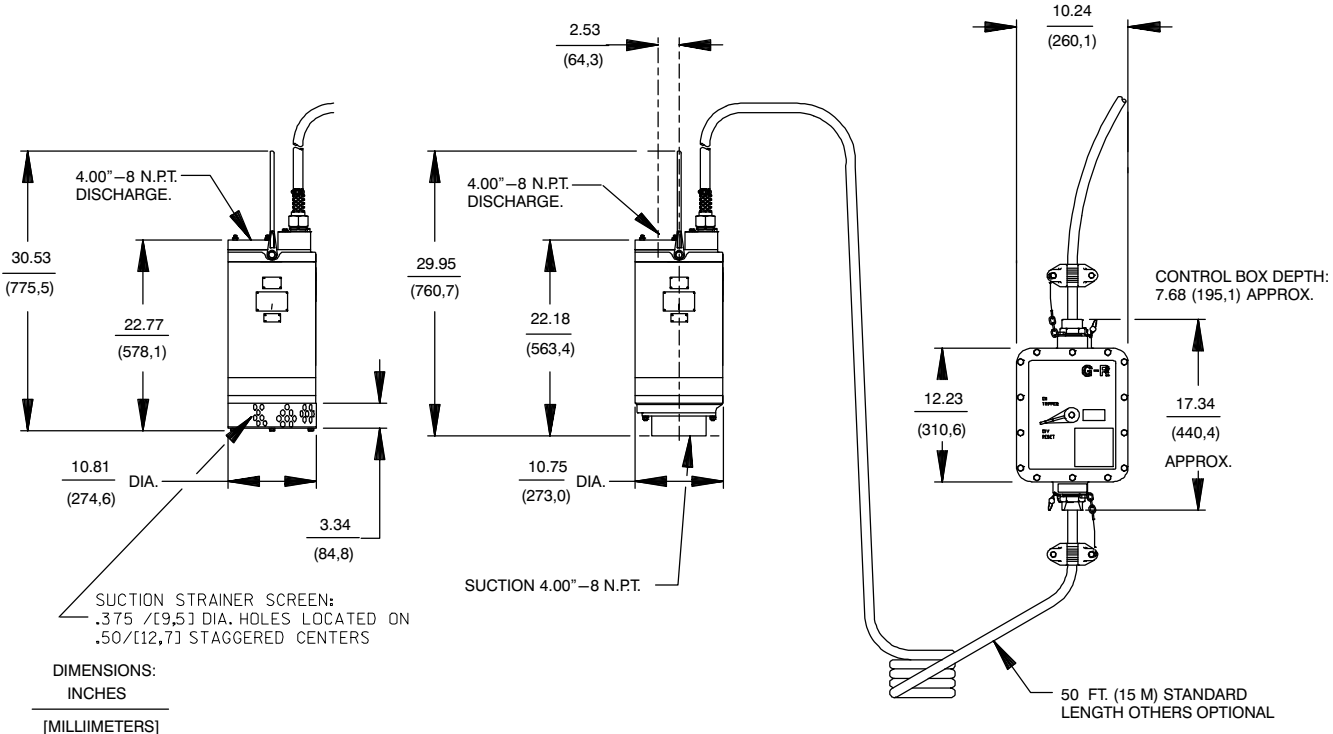
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Specification Data

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APPROXIMATE DIMENSIONS and WEIGHTS

PUMP & CABLE NET WEIGHT: 195 LBS. (88 KG.)
 CONTROL BOX NET WEIGHT: 35 LBS. (16 KG.)
 GROSS SHIPPING WEIGHT: 241 LBS. (109 KG.)
 EXPORT CRATE: 7.8 CU. FT. (0,22 CU. M.)



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