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Submersible Pump

Model SM4H1-X10

Size 4"



PUMP SPECIFICATIONS

MSHA PUMP APPROVAL 2G-3971A-0.

COMMONWEALTH OF PENNSYLVANIA APPROVAL BFE 37-13.

Diffuser: G-R Hard Iron; Maximum Operating Pressure 147 psi (1014 kPa).*

Impeller: G-R Hard Iron.

Wear Plate: Carbon Steel 1045.

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

MSHA-Certified Automatic Control Box, Single Ball Type Float Switch.**

**Dual Switches and Cable Lengths From 50 to 400 Feet Available.

Staging Adapter Kit.

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; 13.45 kW (Max.)

MSHA Approval 7J-97016-0.

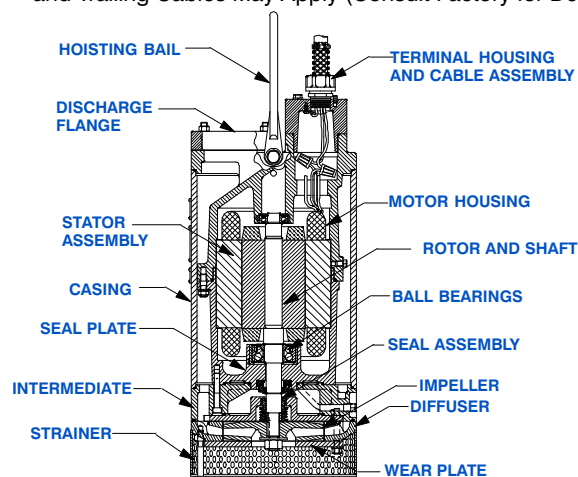
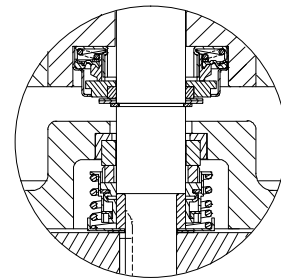
Power Cable: 7 Wire, Type SPC; (3) 12 AWG Power Conductors,

(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.



THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO

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Specifications Subject to Change Without Notice

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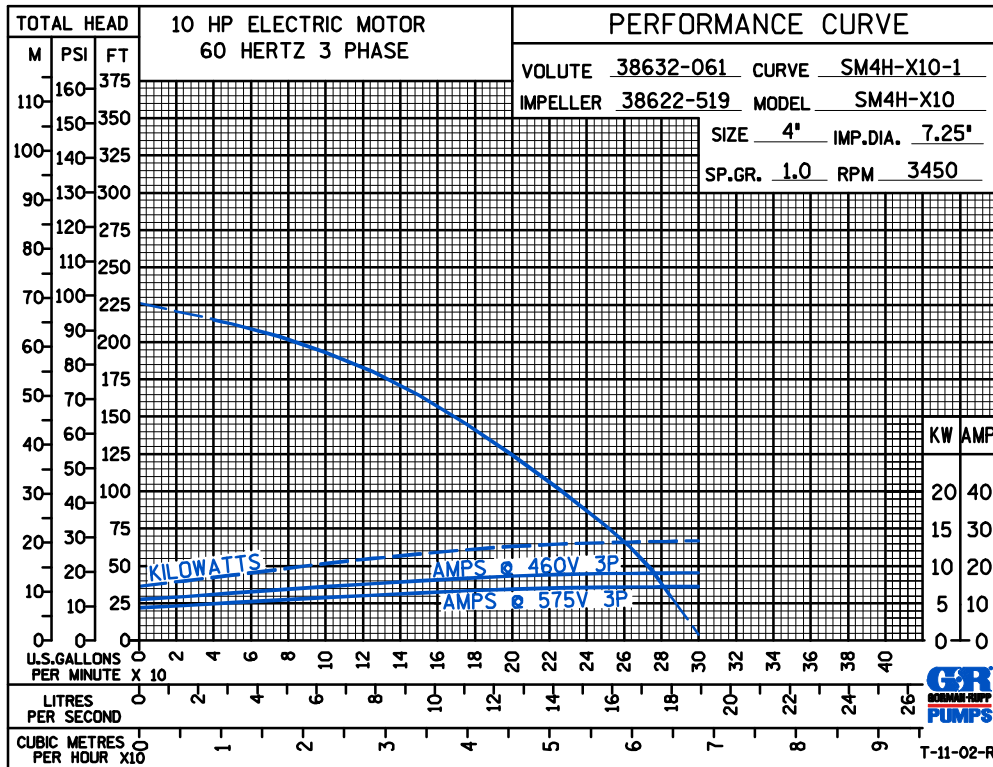
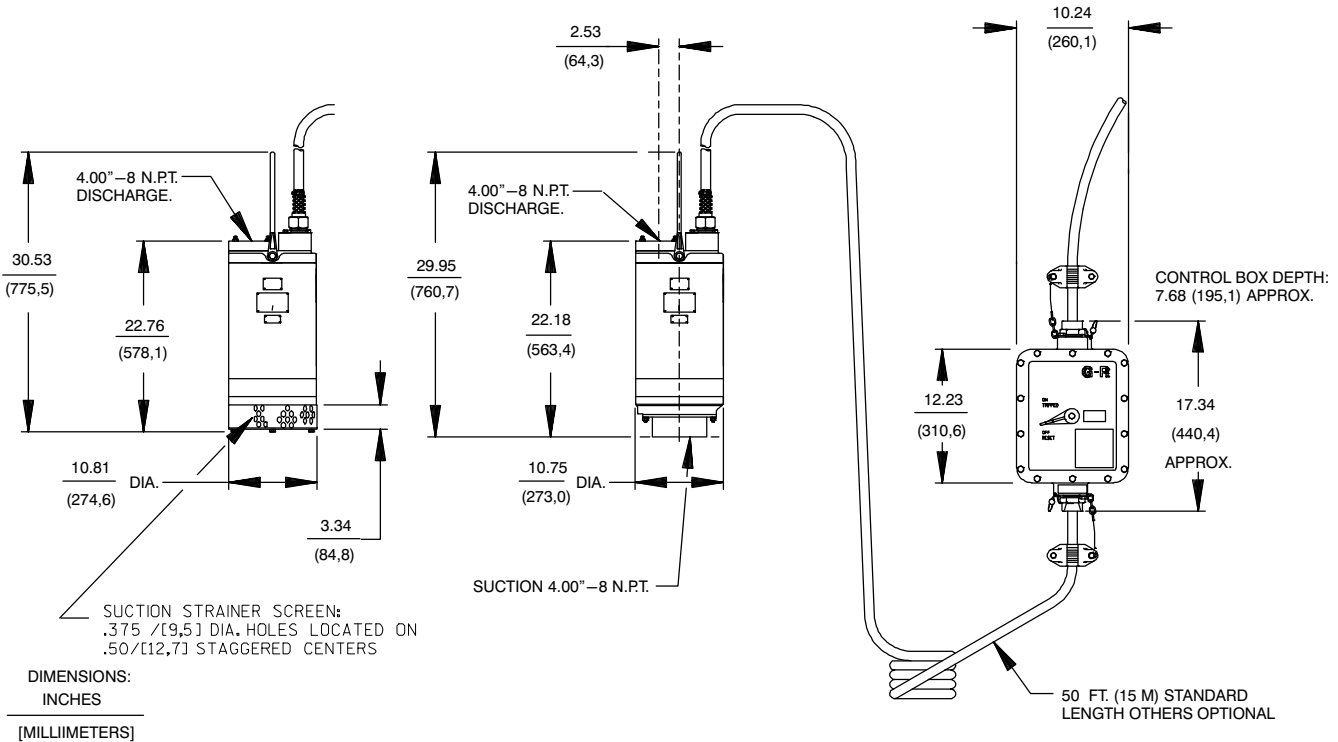
Specification Data

SECTION 132, PAGE 900

APPROXIMATE
DIMENSIONS and WEIGHTS

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

195 LBS. (88 KG.)
35 LBS. (16 KG.)
241 LBS. (109 KG.)
7.8 CU. FT. (0,22 CU. M.)



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