

Electric Motor Driven

# Submersible Pump

Model S8D1-E275

Size 8"



**PUMP SPECIFICATIONS**

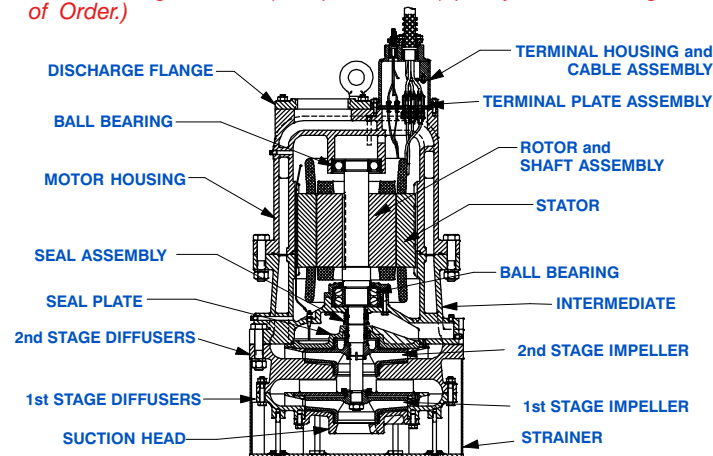
- Diffuser-1st and 2nd Stage:** Ductile Iron 80-60-03;  
Maximum Operating Pressure 250 psi (1724 kPa).\*
- Enclosed Type, Impeller-1st and 2nd Stage:** Ductile Iron 80-60-03.
- Suction Head:** Gray Iron 30.
- Four Wear Rings:** Copper Alloy C83600.
- Motor Housing:** Aluminum Alloy 356-T6.
- Seal Plate:** Gray Iron 30.
- Intermediate Bracket:** Aluminum Alloy 356-T6.
- Rotor Shaft:** Stainless Steel 17-4 PH.
- Bearings:** Upper, Open, Single Row Ball Bearing.  
Lower, Open, Double Row Ball Bearing.
- Discharge Flange:** Gray Iron 30.
- Gaskets:** Cork with Nitrile Binder (NC710).
- O-Ring:** Buna-N.
- Hardware:** Standard Plated Steel and Stainless Steel.
- Strainer:** Urethane Coated Steel; 42% Open Area,  
0.62" (15,8 mm) Diameter Openings.
- Hoisting Eye Bolts:** Urethane Coated Steel.
- Standard Equipment**
- NEMA Type 3R Rainproof Control Box:** (See Section 130, Page 105).  
Provides On-Off, Circuit Breaker, Motor Overload Protection and Reduced Voltage Starting.
- Optional Equipment**
- Liquid Level Control:** (Sec.130, Page 150.)
  - a. Turtle Type Pressure Activated Level Switch.
  - b. Float Activated Level Switch.



**MOTOR/CABLE SPECIFICATIONS**

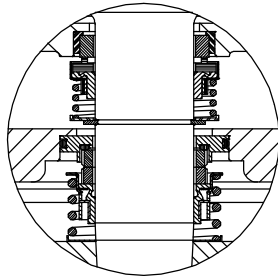
- Motor:** Oil Filled Enclosure; 275 H.P.; 1750 R.P.M.; Inverter Duty Rated (VFD-Capable), Three Phase: 460/575 Volt, 60 Hz, 353/282 Full Load Amps, 252 kW (Max.)
- Power Cable:** Two Cables, 6 Wire, Type GGC, 2/0 AWG; 3 Power Conductors, 2 Ground Conductors, and 1 Ground Check. \*\*
- Control Cable:** 4 Wire, Type SO/SOOW, 14 AWG; 2 Wire Thermal Protection, 2 Wire Moisture Sensor. \*\*
- Recommended Generator Size:** 300 kW for Reduced Voltage Starting.
- \*Consult Factory for Applications Exceeding Maximum Pressure and/or Temperature Indicated.*

**\*\*Nominal Length 50 Feet (15 m) Standard. (Specify Alternate Lengths at Time of Order.)**



**WARNING!**

Do not use in explosive atmosphere or for pumping volatile flammable liquids.



**SEAL SPECIFICATIONS**

- Tandem, Oil Lubricated.
- Upper Seal:** Type 2, Mechanical, Carbon Rotating Face. Ni-Resist Stationary Face. Buna-N Elastomers. Stainless Steel 18-8 Cage and Spring.
- Lower Seal:** Type 2, Mechanical. Silicon Carbide Rotating and Stationary Faces. Stainless Steel 316, Stationary Seat. Fluorocarbon Elastomers (DuPont Viton® or Equivalent). Stainless Steel 316 Cage and Spring. Maximum Temperature of Liquid Pumped, 122 F (50 C).\*



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Specifications Subject to Change Without Notice

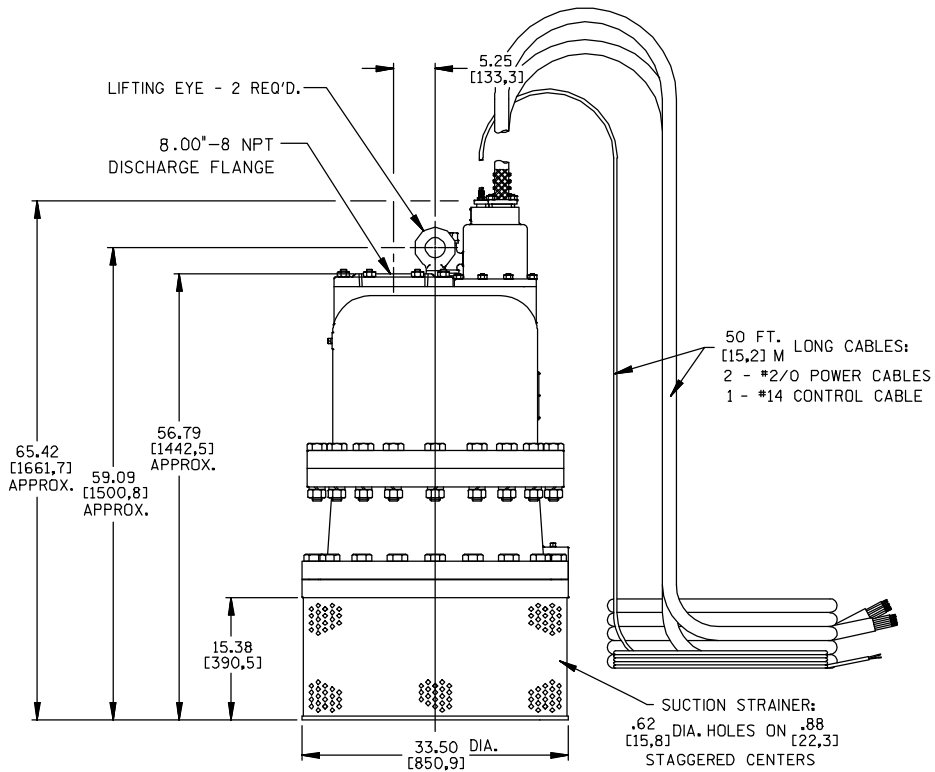
Printed in U.S.A.

**Specification Data**

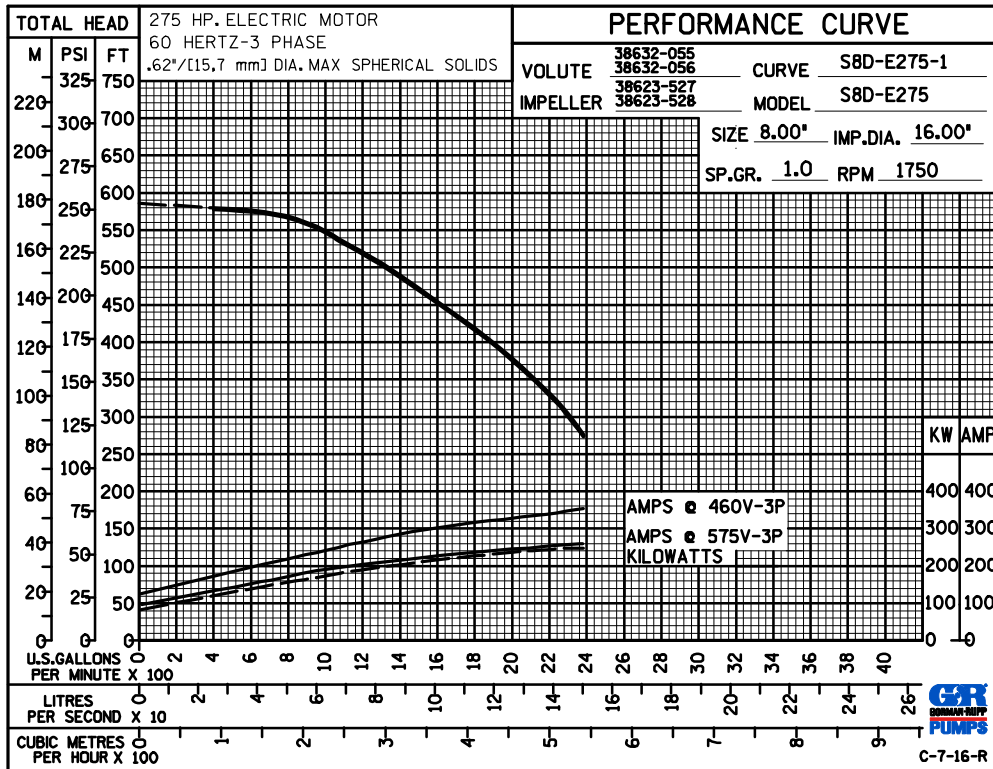
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APPROXIMATE  
DIMENSIONS and WEIGHTS

**NET WEIGHT:** 4210 LBS. (1909,6 KG.)  
**SHIPPING WEIGHT:** 4266 LBS. (1935,0 KG.)  
**EXPORT CRATE:** 84 CU. FT. (2,4 CU. M.)



DIMENSIONS:  
INCHES  
[MILLIMETERS]



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