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: *(P/N 27515-573 460V, -574 575V)* Provides On-Off, Circuit Breaker, Motor Overload Protection and Reduced Voltage Starting.

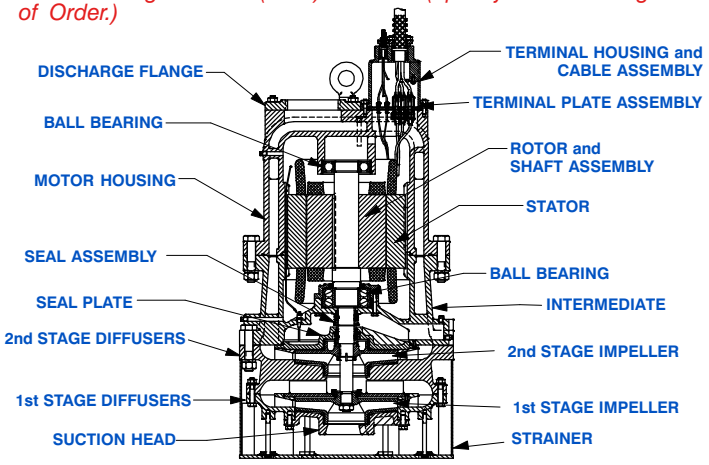
Optional Equipment

Liquid Level Control: (Sec.130, Page 150.)
a. Turtle Type Pressure Activated Level Switch.
b. Float Activated Level Switch.

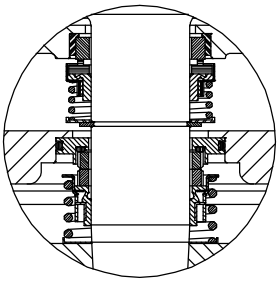
MOTOR/CABLE SPECIFICATIONS

Motor: Oil Filled Enclosure; 275 H.P.; 1750 R.P.M.; Inverter Duty Rated (VFD-Capable),50Hz 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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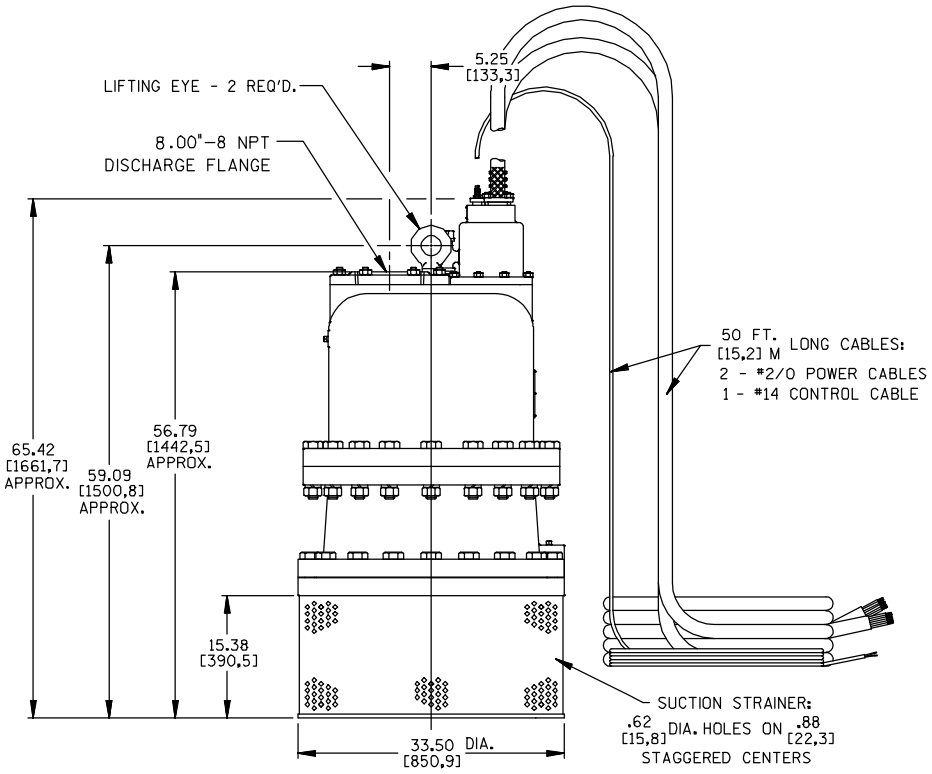
Specification Data

SECTION 130, PAGE 1620

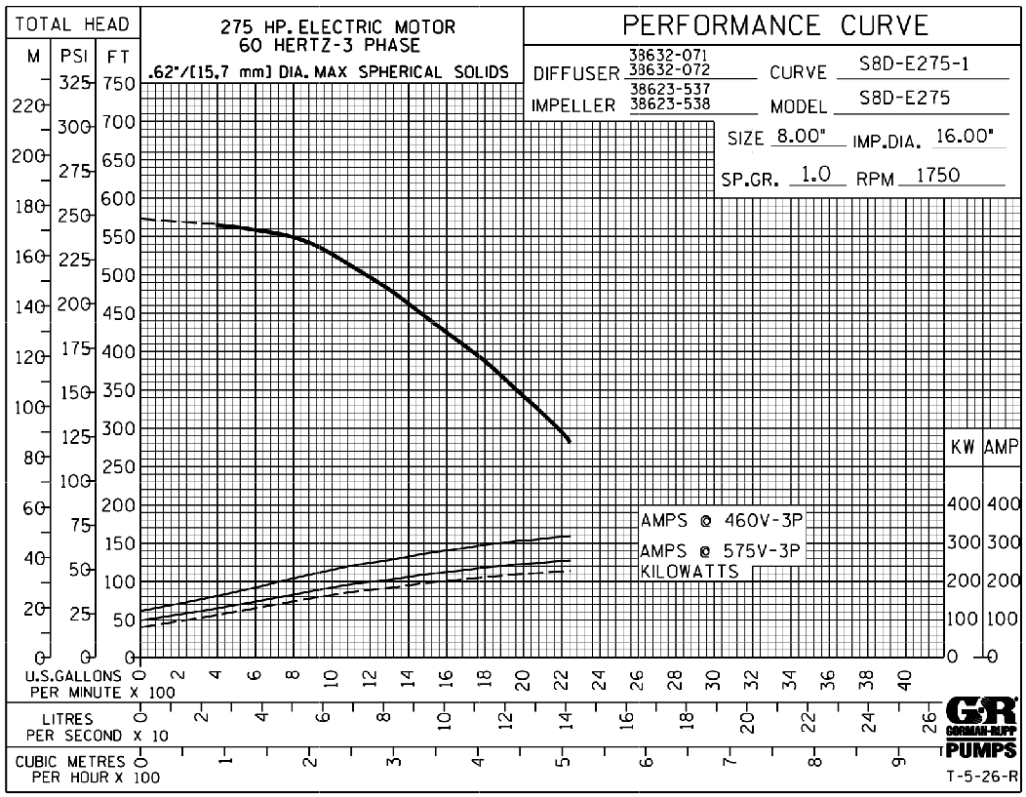
APPROXIMATE
DIMENSIONS and WEIGHTS

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]

60 HERTZ



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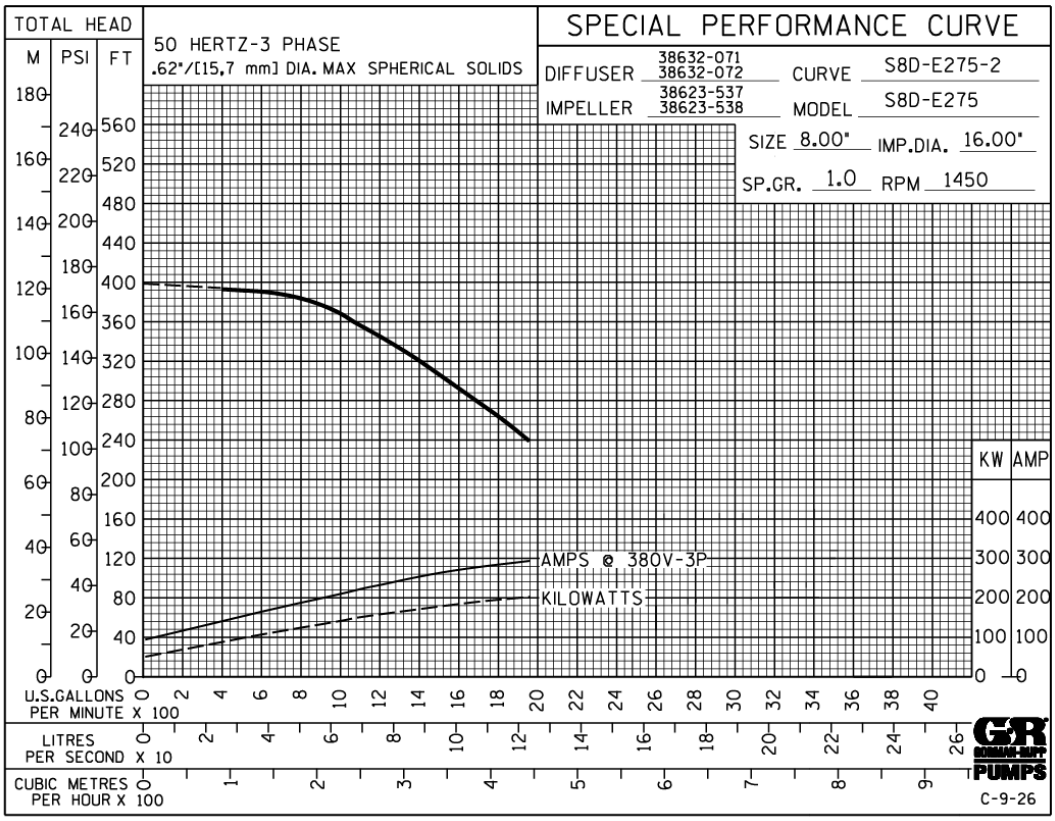
50 HERTZ



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