PUMP SPECIFICATIONS
Size: 10” x 8” (254 mm x 203 mm) Flanged.
   Maximum Operating Pressure 222 psi (1531 kPa).*
Enclosed Type, Two Vane Impeller: Ductile Iron 65-45-12.
   Handles 3” (76,2 mm) Diameter Spherical Solids.
Suction Head: Gray Iron 30.
Impeller Shaft: Alloy Steel 4150M.
Replaceable Wear Ring: Ductile Iron 65-45-12.
Bearing Pedestal: Gray Iron 30.
Seal Plate: Gray Iron 30.
Seal: Mechanical, SAE 30 Non-Detergent Oil-Lubricated. Silicon Carbide
   Rotating Face and Stationary Seat. Fluorocarbon Elastomers (DuPont
   Viton® or Equivalent). Stainless Steel 316 Cage and Stainless Steel 18-8
   Spring. Maximum Temperature of Liquid Pumped 160 °F (71 °C).*
Shaft Sleeve: Stainless Steel 303/304.
Priming Chamber: Gray Iron 30 Housing w/Stainless Steel Float and Linkage.
Discharge Check Valve: Ductile Iron Housing w/Buna-N Flapper.
Radial Bearing: Open Roller.
Thrust Bearing: Open Double Ball.
Gaskets: Vegetable Fiber.
O-Rings: Buna-N.
Hardware: Standard Plated Steel.
Seal Cavity Oil Level Sight Gauges.
*Consult Factory for Applications Exceeding Maximum Pressure and/or Tem­
   perature Indicated.

ENGINE SPECIFICATIONS
Model: Caterpillar C-9.3B ACERT
EPA Tier: Tier 4.
Type: Six Cylinder, Open, Diesel Engine with Air Compressor.
Displacement: 537 Cu. In. (8,8 liters).
Governor: Electronic Isochronous.
Lubrication: Forced Circulation.
Air Cleaner: Dry Type.
Full Load Operating Time: 14.0 Hrs.
Starter: 12V Electric.
Standard Features: Muffler w/Guard and Weather Cap, DOC/DPF Exhaust After-Treatment System.
Optional: Electronic Fuel Level Sensor.
Engine Control Features: Padlockable Box with Throttle Control, Tachometer, Coolant Temperature,
   Oil Pressure, Voltage and Overstart Indicators/Shut­
   Shutdown (For Use With Optional Fuel Level Sensor).
**Specification Data**

**APPROXIMATE DIMENSIONS and WEIGHTS**

**NET WEIGHT:** 8200 LBS (3719.5 KG)

**SHIPPING WEIGHT:** 8550 LBS (3878.2 KG)

**EXPORT CRATE SIZE:** 783 CU. FT. (22 CU. M.)

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**POWERED BY:** CATERPILLAR C9.3BTA FT4 DIESEL ENGINE WITH A AUXILIARY DRIVE COMPRESSOR

**SUCTION:**
- 10.00 NOMINAL WITH 12 HOLES 1.00/ [25.4] DIA EQUALLY SPACED ON A 14.25/ [362.0] DIA B C
- 69/ [17.5] [127.0 TYP] 7 HOLES 46.88/ [1190.9] DIAM.

**DISCHARGE:**
- 8.00 NOMINAL WITH 8 HOLES 0.88/ [22.4] DIA EQUALLY SPACED ON A 11.75/ [298.5] DIA B C
- 80.75/ [2051.0] APPROX 7 HOLES 44.62/ [1133.9] DIAM.

**NET WEIGHT:** 8200 LBS (3719.5 KG)

**SHIPPING WEIGHT:** 8550 LBS (3878.2 KG)

**EXPORT CRATE SIZE:** 783 CU. FT. (22 CU. M.)

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**DIMENSIONS:**

- **SUCTION:**
  - 69/ [17.5] X 1.25/ [31.75] 8 SLOTS
  - 80.75/ [2051.0] APPROX
  - 5.00/ [127.0] TYP

- **DISCHARGE:**
  - 69/ [17.5] DIA 7 HOLES 46.88/ [1190.9]
  - 23.79/ [604.2] APPROX
  - 29.49/ [749.0] APPROX

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**PERFORMANCE CURVE**

**CATERPILLAR C9.3 BTA DIESEL ENGINE**

**GOVERNOR SETTING 1800 RPM @ SHUT OFF**

**DO NOT RUN BELOW 1400 RPM**

**3:00/ [76.2] TYP DIAM SPHERICAL SOLIDS**

**VOLUTE:** 38218-306 CURVE PAH8A-C9.3BTA-I

**IMPELLER:** 38621-734 MODEL PAH8A-C9.3BTA

**SIZE 10*8B** IMP. DIA. 17.75

**SP. GR. 1.0 RPM NOTED**

Performance shown does not include discharge check valve losses.

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**GORMAN-RUPP PUMPS**

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Specifications Subject to Change Without Notice

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