**PUMP SPECIFICATIONS**

**Size:** 6” x 3” (152 mm x 76 mm) Flanged.

**Casing:** Ductile Iron 65-45-12.

Maximum Operating Pressure 195 psi (1345 kPa).*

**Enclosed Type, Five Vane Impeller:** Ductile Iron 65-45-12.

Handles 1/2” (12.7 mm) Diameter Spherical Solids.

**Suction Head:** Ductile Iron 65-45-12.

**Suction Spool:** Gray Iron 30.

**Impeller Shaft:** Alloy Steel 4150M.

**Replaceable Wear Ring:** Ductile Iron 65-45-12.

**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 */#/Stainless Steel Float and Linkage.

**Discharge Check Valve:** Ductile Iron Housing */#/Buna-N Flapper.

**Radial Bearing:** Open Single Ball.

**Thrust Bearing:** Open Double Ball.

**Bearing Cavity Lubrication:** Lithium EP2 Grease.

**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 Temperature Indicated.*

**Standard Equipment:** Gear-Driven Air Compressor. Strainer. Hoisting Bail. Combination Skid Base w/Fuel Tank. Single Ball Type Float Switch. **


**50 Ft. (15 m) Standard Length; Dual Switches and Alternate Cable Lengths Available From the Factory.**

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**ENGINE SPECIFICATIONS**

**Model:** John Deere 4045H “Power Tech”.

**Type:** Four Cylinder, Turbocharged, Charge Air Cooled, Enclosed, Liquid Cooled Diesel Engine.

**Displacement:** 275 Cu. In. (4.5 liters).

**Governor:** Electronic Isochronous.

**Lubrication:** Forced Circulation.

**Air Cleaner:** Dry Type.

**Oil Reservoir:** 15.5 U.S. Qts. (14.7 liters) Dry; 14.5 U.S. Qts. (13.7 liters) Refill.

**Fuel Tank:** 88 U.S. Gals. (330 liters).

**Full Load Operating Time:** 16.5 Hrs.

**Starter:** 12V Electric.

**Standard Features:** Low Oil Pressure and High Coolant Temperature Safety Shut Down Switches. Autostart Instrument Panel Includes: Tachometer, Voltmeter, Hourmeter, Coolant Temperature Gauge, Oil Pressure Gauge, Manual/Stop/Auto Key Switch, 10 Amp Pushbutton Circuit Breaker, Startup Warning Delay, Muffler */#/Weather Cap. Throttle Control.

**JOHN DEERE PUBLISHED PERFORMANCE:**

Maximum Gross BHP (Intermittent Duty) 140 (104 kW) @ 2400 RPM

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**GORMAN-RUPP PUMPS**

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SKID BASE

NET WEIGHT: 3378 LBS. (1532 KG.)
SHIPPING WEIGHT: 3678 LBS. (1668 KG.)
EXPORT CRATE SIZE: 330 CU. FT. (9.3 CU. M.)

2-WHEEL

SOURCE MACHINED WITH 4 HOLES 264/22.4 0.016100000000000001346634032269219841300804638671875
EQUALLY SPACED ON A 0.0625 (0.625) DIA BC

DISCHARGE 3.00 NOMINAL WITH 4 HOLES 264/14.78 0.016100000000000001346634032269219841300804638671875
EQUALLY SPACED ON A 0.0625 (0.625) DIA BC

EXPORT CRATE SIZE: 330 CU. FT. (9.3 CU. M.)

POWERED BY JOHN DEERE 4045H DIESEL ENGINE

TOTAL HEAD

GOVERNOR SETTING 2000 RPM OR SHUT OFF
DO NOT RUN BELOW 1000 RPM
2000 RPM MODAL VANE, SPHERICAL SOLES

PERFORMANCE CURVE

VOLUTE 38218-307 CURVE PAH38-4045H-1
IMPELLER 38623-533 MODEL PAH38-4045H
SIZE 6"X3" IMP.DIA. 14.75" SPG. 1.0 RPM NOTED

Performance shown does not include relief valve check valve discharge check valve

GORMAN-RUPP PUMPS

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