**PUMP SPECIFICATIONS**

Size: 6" x 4" (152 mm x 102 mm) Flanged.

Casing: Ductile Iron 65‐45‐12.

Maximum Operating Pressure 159 psi (1096 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.

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.

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.

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 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 Gauges.

*Consult Factory for Applications Exceeding Maximum Pressure and/or Temperature Indicated.


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

ENGINE SPECIFICATIONS

Model: John Deere 4045H “Power Tech”.

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


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.


Full Load Operating Time: 17.9 Hrs.

Starter: 12V Electric.


JOHN DEERE PUBLISHED PERFORMANCE:

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

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**Suction Lift Based On 1800 RPM Engine Speed.**
**Specification Data**

** Approximate Dimensions and Weights **

** Section 43, Page 200 **

** SKID BASE **

- Net Weight: 3428 LBS. (1555 KG.)
- Shipping Weight: 3728 LBS. (1691 KG.)
- Export Crate Size: 372 CU. FT. (11 CU. M.)

** 2-WHEEL **

- 3923 LBS. (1779 KG.)

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** Dimensions:**

- ** Suction:**
  - 6.00 NOMINAL WITH 8 HOLES .88/\[22,4\] DIA EQUALLY SPACED ON A 7.50/\[241,3\] DIA B.C.
- ** Discharge:**
  - 4.00 NOMINAL WITH 8 HOLES .75/\[19,0\] DIA EQUALLY SPACED ON A 7.50/\[190,5\] DIA B.C.

** Powered by John Deere 4045H Diesel Engine **

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** Performance Curve **

- ** Volute:** 38218-304
- ** Impeller:** 38621-737
- ** Model:** PAH40-4045H

** Size:** 6"X4" IMP.DIA. 13.00"

** Maximum Continuous Performance:**

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** Specifications Subject to Change Without Notice **

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