### PUMP SPECIFICATIONS

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

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

- Maximum Casing Pressure 283 psi (1951 kPa).
- Maximum Operating Pressure 250 psi (1723 kPa) at Temperatures up to 100° F (37° C) Based on System Component Limitations.

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

- Handles 3” (76,2 mm) Diameter Spherical Solids.

**Suction Head:** Gray Iron 30.

**Suction Spool:** 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 */Stainless Steel Float and Linkage.

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

**Radial Bearing:** Open Roller.

**Thrust Bearing:** Open Double Ball.

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

**Gaskets:** Vegetable Fiber, Compressed Synthetic Fibers and Buna-N.

**O-Rings:** Buna-N.

**Hardware:** Standard Plated Steel.

**Seal Cavity Oil Level Sight Gauges.**

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

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


**WARNING!**

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

### ENGINE SPECIFICATIONS

**Model:** John Deere 6068HF285.

**EPA Tier:** Tier 3.

**Type:** Six Cylinder, Charge Air Cooled, Diesel Engine, w/Air Compressor, Enclosed.

**Displacement:** 415 Cu. In. (6,8 liters).

**Full Load Operating Time:** 14.8 Hrs.

**Starter:** 12V Electric.

**Standard Features:** Muffler */Weather Cap.

**Optional:** Electronic Fuel Level Sensor.

**Engine Control Features:** Padlockable Box with Throttle Control, Tachometer, Coolant Temperature, Oil Pressure, Voltage and Overstart Indicators/Shutdowns. Manual/Stop/Auto Keyswitch, Audible Startup Warning Delay. Fuel Level Display/Alarm/Shutdown (For Use With Optional Fuel Level Sensor).

**JOHN DEERE PUBLISHED PERFORMANCE:**

Maximum Gross BHP (Ind/Continuous) 173 (129 kW) @ 2400 RPM
**APPROXIMATE DIMENSIONS and WEIGHTS**

- **NET WEIGHT:** 3800 LBS. [1724 KG.]
- **SHIPPING WEIGHT:** 5140 LBS. [2331 KG.]
- **EXPORT CRATE SIZE:** 406 CU. FT. (11.5 CU. M.)

**DIMENSIONS:**

- **SUCTION:**
  - 6.00 NOMINAL WITH 8 HOLES .88" [22.4] DIA EQUALLY SPACED ON A 9.50" [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

- **SLOT 4 PLACES .69" [17.5] DIA 62 HOLES**

**POWERED BY A JOHN DEERE 6068H TIER 3 DIESEL ENGINE**

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**PERFORMANCE CURVE**

- **VOLUTE** 38218-304 CURVE PAH4E-6068H-1
- **IMPELLER** 38621-786 MODEL PAH4E-6068H

**GORMAN-RUPP PUMPS**

www.grpumps.com

Specifications Subject to Change Without Notice

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