Specifi
cation Data

Diesel Engine Driven
Priming Assisted Centrifugal Pump w/Autostart
Model PAH8A60-6090H FT4
Size 10” x 8”

<table>
<thead>
<tr>
<th>Total Head</th>
<th>Capacity of Pump in U.S. Gallons per Minute (GPM) at Continuous Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>P.S.I.</td>
<td>Feet</td>
</tr>
<tr>
<td>133.5</td>
<td>308</td>
</tr>
<tr>
<td>121.4</td>
<td>280</td>
</tr>
<tr>
<td>104.0</td>
<td>240</td>
</tr>
<tr>
<td>86.7</td>
<td>200</td>
</tr>
<tr>
<td>69.4</td>
<td>160</td>
</tr>
<tr>
<td>52.0</td>
<td>120</td>
</tr>
<tr>
<td>34.7</td>
<td>80</td>
</tr>
<tr>
<td>17.3</td>
<td>40</td>
</tr>
</tbody>
</table>

Suction Lift: 25’ 20’ 15’ 10’

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 Temperature Indicated.

ENGINE SPECIFICATIONS
Model: John Deere 6090H “Power Tech.”
EPA Tier: Tier 4.
Type: Six Cylinder, Four Cycle, Charge Air Cooled, Enclosed, Liquid Cooled Diesel Engine.
Governor: Electronic Isochronous.
Lubrication: Forced Circulation.
Air Cleaner: Dry Type.
Full Load Operating Time: 17.9 Hrs.
Starter: 12V Electric.
Optional Features: Electronic Fuel Level Sensor.

DO NOT USE IN EXPLOSIVE ATMOSPHERE OR FOR PUMPING VOLATILE FLAMMABLE LIQUIDS.

WARNING!

John Deere Published Performance:
Maximum Gross BHP (Intermittent) 375 (280 kW) @ 2200 RPM

Specifications Subject to Change Without Notice Printed in U.S.A.
**Specification Data**

**APPROXIMATE DIMENSIONS and WEIGHTS**

**SECTION 43, PAGE 413**

**NET WEIGHT:**

9050 LBS (4105.0 KG)

**SHIPPING WEIGHT:**

9450 LBS (4286.4 KG)

**EXPORT CRATE SIZE:**

797 CU. FT. (23 CU. M.)

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**DISCHARGE:**

- 8.00 NOMINAL WITH 8 HOLES .69/17.5 DIA
- Equally Spaced on a 11.75/298.5 DIA B.C.

**SUCTION:**

- 10.00 NOMINAL WITH 12 HOLES 1.25/31.8 DIA
- Equally Spaced on a 14.25/362.0 DIA B.C.

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**POWERED BY:**

JOHN DEERE 6090H FT4 DIESEL ENGINE

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**Performance Curve**

- **Volute:** 38218-306
- **Curve:** PAH8A-6090H-1
- **Impeller:** 38621-734
- **Model:** PAH8A-6090H

- **Size:** 10"X8"
- **Imp. Dia.:** 17-75"

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**Hyperlink:**

www grpumps.com

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