Stainless Steel Diesel Engine Driven

Priming Assisted Centrifugal Pump w/Autostart

Model PAH6A65-6090H FT4
Size 10” x 6”

<table>
<thead>
<tr>
<th>Total Head P.S.I.</th>
<th>Capacity of Pump in U.S. Gallons per Minute (GPM) at Continuous Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>135.2</td>
<td>1000 1000 1000 1000</td>
</tr>
<tr>
<td>121.4</td>
<td>1700 1750 1750 1750</td>
</tr>
<tr>
<td>104.0</td>
<td>1950 3010 3150 3150</td>
</tr>
<tr>
<td>86.7</td>
<td>1950 3100 3800 4120</td>
</tr>
<tr>
<td>69.4</td>
<td>1950 3100 3990 4600</td>
</tr>
<tr>
<td>52.0</td>
<td>1930 3100 4000 4810</td>
</tr>
<tr>
<td>34.7</td>
<td>1930 3100 4010 4900</td>
</tr>
<tr>
<td>17.3</td>
<td>1920 3100 4020 4910</td>
</tr>
<tr>
<td>Suction Lift</td>
<td>25’ 20’ 15’ 10’</td>
</tr>
</tbody>
</table>

PUMP SPECIFICATIONS
Size: 10” x 6” (254 mm x 152 mm) Flanged.
Casing: Stainless Steel CD4MCu.
  Maximum Operating Pressure 231 psi (1593 kPa).*
Enclosed Type, Two Vane Impeller: Stainless Steel CD4MCu.
  Handles 3” (76.2 mm) Diameter Spherical Solids.
Suction Head: Stainless Steel CD4MCu.
Suction Spool: Stainless Steel CD4MCu.
Impeller Shaft: Stainless Steel 17-4 PH.
Replaceable Wear Ring: Stainless Steel CD4MCu.
Bearing Pedestal: Gray Iron 30.
Seal Plate: Stainless Steel CD4MCu.
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 316 Spring. Maximum Temperature of Liquid Pumped 160°F (71°C).*
Shaft Sleeve: Stainless Steel 17-4 PH.
Priming Chamber: Stainless Steel 316 Housing w/Stainless Steel Float and Linkage.
Discharge Check Valve: Stainless Steel Housing w/Viton Flapper.
Radial Bearing: Open Roller.
Thrust Bearing: Open Double Ball.
Gaskets: Fluorocarbon (DuPont Viton® or Equivalent), Compressed Synthetic Fibers and Buna-N.
O-Rings: Fluorocarbon (DuPont Viton® or Equivalent).
Hardware: Stainless Steel 316 and 17-4 PH.
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: Forged Circulation.
Air Cleaner: Dry Type.
Full Load Operating Time: 14.9 Hrs.
Starter: 12V Electric.
Optional Features: Electronic Fuel Level Sensor.

JOHN DEERE PUBLISHED PERFORMANCE:
Maximum Gross BHP (Intermittent) 375 (280 kW) @ 2200 RPM
**Specification Data**

**APPROXIMATE DIMENSIONS and WEIGHTS**

- **NET WEIGHT:** 9230 LBS (4186,7 KG)
- **SHIPPING WEIGHT:** 9630 LBS (4386,1 KG)
- **EXPORT CRATE SIZE:** 791 CU. FT. (22,4 CU. M.)

**DISCHARGE:**
- 6.00 NOMINAL WITH 8 HOLES .69 X 1.25 DIA EQUALLY SPACED ON A .88 DIA B.C.
- 8 HOLES .88 X 1.25 DIA EQUALLY SPACED ON A 9.50 DIA B.C.

**SUCTION:**
- 10.00 NOMINAL WITH 12 HOLES 1.00 X 1.25 DIA EQUALLY SPACED ON A 14.25 DIA B.C.
- 12 HOLES 1.00 X 2.75 DIA EQUALLY SPACED ON A 14.25 DIA B.C.

**REAR (8) MTG SLOTS**
- 2.75 TYP
- FRONT (7) MTG HOLES

**POWERED BY:**
- JOHN DEERE 6090H FT4 DIESEL ENGINE

**PERFORMANCE CURVE**

- **VOLUTE:** 38218-305
- **CURVE:** PAH6A-6090H-1
- **IMPELLER:** 38621-734
- **MODEL:** PAH6A-6090H IT4

**Size:** 10"X6" IMP.DIA. 17.75'

**SP. OR. L0 RPM NOTED**

**Performance shown does not include discharge check valves bases.**

**GORMAN-RUPP PUMPS**

www.grpumps.com

Specifications Subject to Change Without Notice

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