Specifications Data

Diesel Engine Driven

Priming Assisted Centrifugal Pump
w/Autostart

Model PA10A60-4045H
Size 10” x 10”

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

### PUMP SPECIFICATIONS

**Size:** 10” x 10” (254 mm x 254 mm) Flanged.
**Casing:** Gray Iron 30.
**Maximum Operating Pressure:** 98 psi (676 kPa).*
**Semi-Open Type, Two Vane Impeller:** Ductile Iron 65-45-12.
*Handles 3.25” (82,6 mm) Diameter Spherical Solids.
**Suction Spool:** Gray Iron 30.
**Impeller Shaft:** Stainless Steel 17-4 PH.
**Externally Adjustable Front Wear Ring:** Ductile Iron 80‐55‐06.
**Intermediate:** Gray Iron 30.
**Seal Plate:** Gray Iron 30.
**Seal:** Mechanical, Oil-Lubricated, Double Floating, Self-Aligning. Silicon Carbide Rotating and Stationary Faces. Stainless Steel 316 Stationary Seat. Fluorocarbon Elastomers (DuPont Viton® or Equivalent). Stainless Steel 316 Cage and Spring. Maximum Temperature of Liquid Pumped, 160°F (71°C).*
**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 Single Ball.
**Thrust Bearing:** Open Double Ball.
**Bearing and Seal Cavity Lubrication:** SAE 30 Non-Detergent Oil.
**Gaskets:** Resistant Synthetic Rubber, PTFE, Cork, Vegetable Fiber, and Compressed Synthetic Fibers.
**O-Rings:** Buna-N.
**Hardware:** Standard Plated Steel.

**Bearing and Seal Cavity Oil Level Sight Gauges.** *Consult Factory for Applications Exceeding Maximum Pressure and/or Temperature Indicated.

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

**Optional Equipment:** Battery. Tandem Axle Over-the-Road Trailer (Meets DOT Requirements) Available with Electric Brakes, Running Lights, Jack Stands and Safety Chains/Cables. EPS w/Submersible Transducer Liquid Level Sensor. Heated Fuel Filter Kit. NPT Threaded Flange Kit

**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.
**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:** 110 U.S. Gals. (416 liters).
**Full Load Operating Time:** 17.8 Hrs.
**Starter:** 12V Electric.


**JOHN DEERE PUBLISHED PERFORMANCE:**
- **Maximum Gross BHP (Intermittent Duty):** 140 (104 kW) @ 2400 RPM
APPROXIMATE DIMENSIONS and WEIGHTS

SKID BASE

NET WEIGHT: 4370 LBS. (1982 KG.)
SHIPPING WEIGHT: 4720 LBS. (2148 KG.)
EXPORT CRATE SIZE: 340 CU. FT. (9.6 CU. M.)

4-WHEEL

NET WEIGHT: 4975 LBS. (2257 KG.)
SHIPPING WEIGHT: 4975 LBS. (2257 KG.)
EXPORT CRATE SIZE: 560 CU. FT. (15.3 CU. M.)

POWERED BY JOHN DEERE 4045H DIESEL ENGINE WITH AUX DRIVE AIR COMPRESSOR

DISCHARGE: 10.00 NOMINAL WITH 12 HOLES 1.00/12.54 DIA EQUALLY SPACED ON A 14.25/362.0 DIA BC

SUCTION: 10.00 NOMINAL WITH 12 HOLES 1.00/12.54 DIA EQUALLY SPACED ON A 14.25/362.0 DIA BC

TOTAL HEAD

PER MINUTE X 100

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