

ACDEU

Priming Assisted Centrifugal Pump



Model PA4A60-4045T

Size 4" x 4"



Total Head		Capacity of Pump in U.S. Gallons per Minute (GPM) at Continuous Performance			
P.S.I.	Feet				
58.1	134	220	220	220	220
52.0	120	370	420	420	420
43.4	100	392	545	670	730
34.7	80	405	555	682	810
26.0	60	415	565	694	830
17.3	40	425	575	708	855
Suction Lift		25'	20'	15'	10'

PUMP SPECIFICATIONS

Size: 4" x 4" (102 mm x 102 mm) Flanged.
Casing: Gray Iron 30. Maximum Operating Pressure 99 psi (683 kPa).*
Semi-Open Type, Two Vane Impeller: Ductile Iron 65-45-12.
 Handles 3" (76 mm) Diameter Spherical Solids.
Impeller Shaft: Stainless Steel 17-4 PH
Replaceable Wear Plate: Carbon Steel 1015.
Intermediate Bracket: Gray Iron 30.
Seal Plate: Gray Iron 30.
Seal: Cartridge Type, 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 18-8 Cage and Spring. Maximum Temperature of Liquid Pumped 160°F (71°C).*
Shaft Sleeve: Alloy Steel 4130.
Priming Chamber: Gray Iron 30 Housing w/Stainless Steel Float and Linkage.
Discharge Check Valve: Ductile Iron Housing with Welded Nickel Seat and 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, Cork, PTFE, 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 Bail. Combination Skid Base w/Fuel Tank. Strainer. Single Ball Type Float Switch.**
***50 Ft. (15 m) Standard Length; Dual Switches and Alternate Cable Lengths Available From the Factory.*
Optional Equipment: Battery. High Speed (55 MPH/89 KM/H) Single Axle Pneumatic-Tired Wheel Kit w/wo DOT-Approved Lights and Electric Brakes. Single Axle Over-the-Road Trailer (Meets DOT Requirements) Available w/Either Electric or Hydraulic Surge Brakes, Running Lights, Jack Stands and Safety Cables/Chains. EPS w/Submersible Transducer Liquid Level Sensor (50 Ft. [15 M] Cable Standard, Alternate Lengths Available).



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

ENGINE SPECIFICATIONS

Model: John Deere 4045T "Power Tech".
Type: Four Cylinder, Four Cycle, Turbocharged, Liquid Cooled Diesel Engine.
Displacement: 275 Cu. In. (4,5 Liters).
Governor: Mechanical.
Lubrication: Forced Circulation.
Air Cleaner: Dry Type.
Oil Reservoir: 17.5 U.S. Qts. (16,5 Liters) Dry; 15.5 U.S. Qts. (14,7 Liters) Refill.
Fuel Tank: 61 U.S. Gals. (231 Liters).
Full Load Operating Time: 26.8 Hrs.
Starter: 12V Electric.
Standard Features: Low Oil Pressure and High Coolant Temperature Safety Shut Down Switches. Autostart Instrument Panel Includes: Tachometer, Voltmeter, Hourmeter, Coolant Temperature Gauge, Oil Pressure Gauge, Manual/Stop/Auto Key Switch, 10 Amp Pushbutton Circuit Breaker, Startup Warning Delay. Muffler w/Guard and Weather Cap. Throttle Control.

JOHN DEERE PUBLISHED PERFORMANCE:
Maximum Gross Intermittent BHP
74 (60 kW) @ 2400 RPM



GORMAN-RUPP PUMPS

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Specifications Subject to Change Without Notice

Printed in U.S.A.

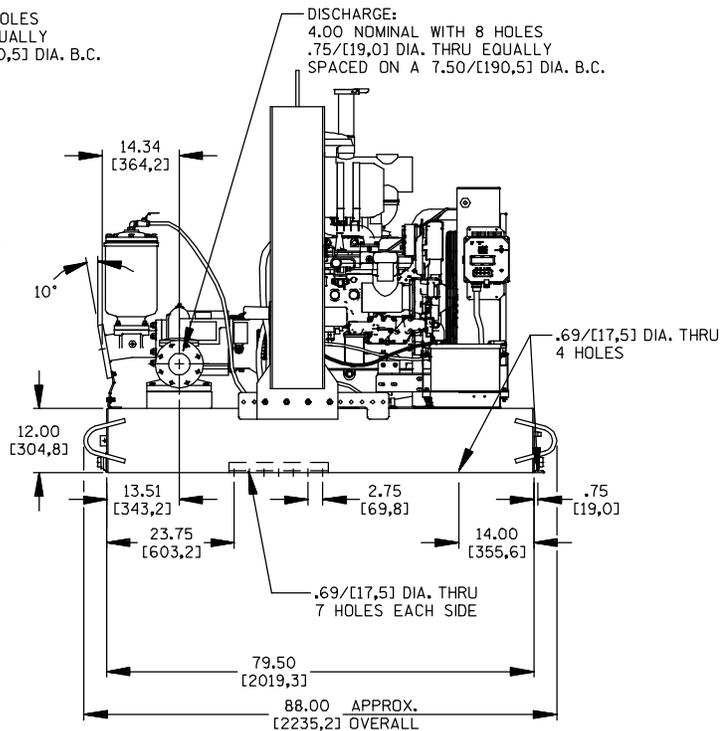
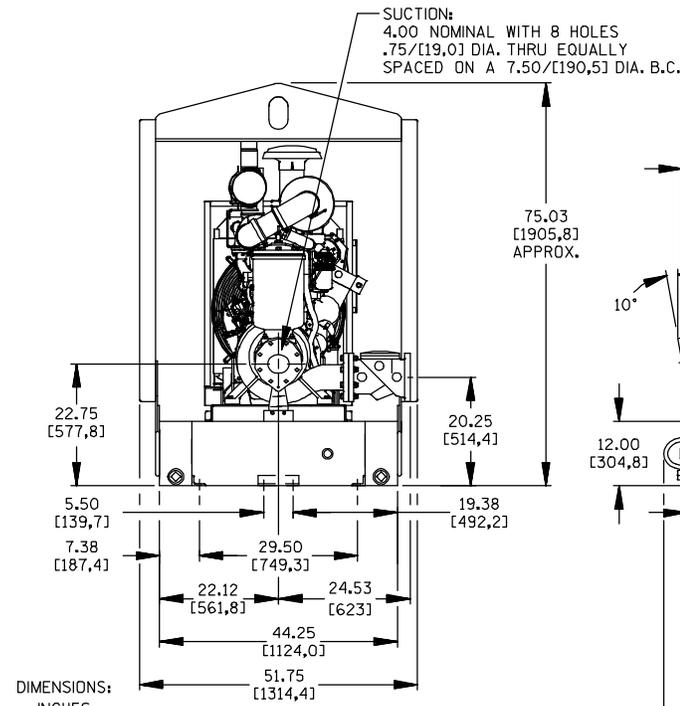
Specification Data

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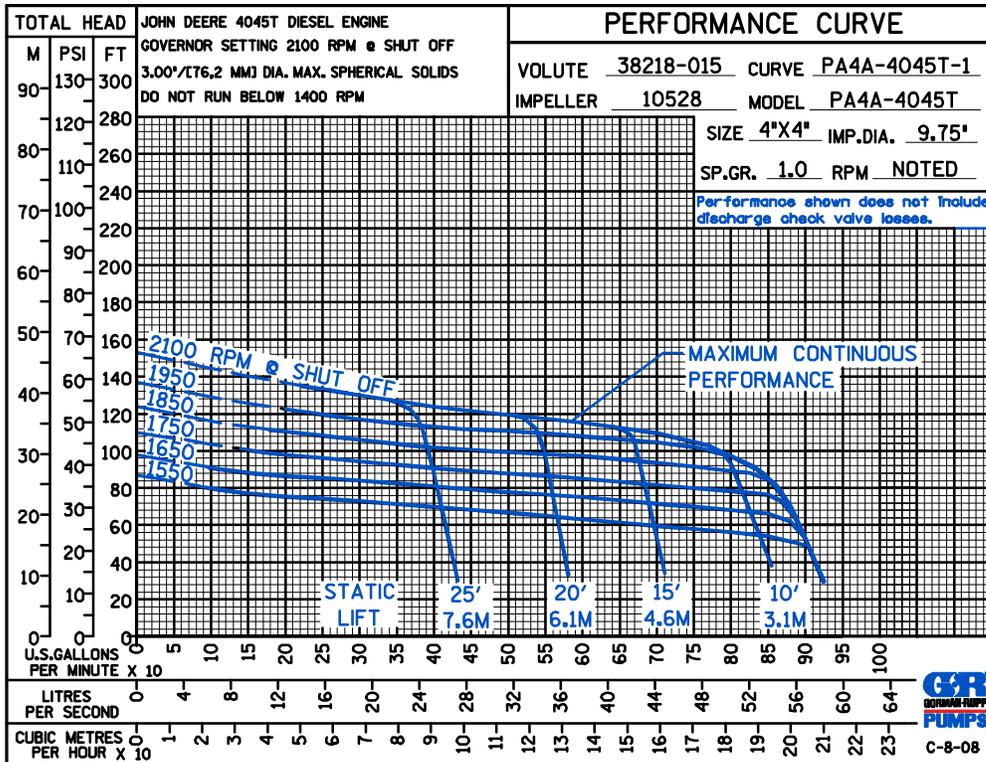
APPROXIMATE DIMENSIONS and WEIGHTS

SKID BASE
NET WEIGHT: 2860 LBS. (1297 KG.)
SHIPPING WEIGHT: 3105 LBS. (1408 KG.)
EXPORT CRATE SIZE: 249 CU. FT. (7,1 CU. M.)

2-WHEEL
 3355 LBS. (1521 K.G.)
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POWERED BY: JOHN DEERE 4045T DIESEL ENGINE
WITH AUXILIARY DRIVE AIR COMPRESSOR.



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