

A C U



**Diesel Engine Driven
Priming Assisted Centrifugal Pump
w/Autostart
Model PA6F22-4045D
Size 6" x 6"**



Total Head		Capacity of Pump in U.S. Gallons per Minute (GPM) at Continuous Performance			
P.S.I.	Feet				
52.9	122	600	600	600	600
52.0	120	700	700	700	700
43.4	100	1380	1425	1424	1425
34.7	80	1500	1875	2050	2100
26.0	60	1550	1950	2240	2475
17.4	40	1600	1975	2290	2570
8.7	20	1625	2000	2320	2600
Suction Lift		25'	20'	15'	10'



PUMP SPECIFICATIONS

Size: 6" x 6" (150 mm x 150 mm) Flanged.
Casing: Stainless Steel No. 316.
 Maximum Operating Pressure 79 psi (545 kPa) *
Enclosed Type, Two Vane Impeller: Stainless Steel No. 316.
 Handles 3" (76,2 mm) Diameter Spherical Solids.
Impeller Shaft: Stainless Steel No. 17-4 PH.
Replaceable Wear Ring: Stainless Steel No. 316.
Back Plate: Stainless Steel No. 316.
Bearing Frame: Gray Iron No. 30.
Seal: Mechanical Type, w/Run-Dry Oil-Lubrication System. Silicon Carbide Rotating Face. Tungsten Titanium Carbide Stationary Face. Fluorocarbon Elastomers (DuPont Viton® or Equivalent). Stainless Steel No. 18-8 Cage and Spring. Maximum Temperature of Liquid Pumped 160°F (71°C).*
Shaft Sleeve: Chrome Plated Stainless Steel No. 316.
Priming Chamber: Stainless Steel No. 316 Housing, Float and Linkage.
Discharge Check Valve: 125# Stainless Steel No. 316 Housing w/Fluorocarbon Flapper (DuPont Viton® or Equivalent).
Radial and Thrust Bearings: Open Single Row Ball.
Bearing Lubrication: Grease.
Flanges: Stainless Steel No. 316.
Gaskets: Fluorocarbon (DuPont Viton® or Equivalent), Neoprene and Vegetable Fiber w/Cork.
O-Rings: Buna-N.
Wetted Hardware: Stainless Steel No. 316.
Seal Oil Reservoir Sight Gauge.

**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.**

Optional Equipment: Battery. High Speed (55 MPH/89 KM/H) Wheel Mit with ST225/75R15 Pneumatic Tires. Over-the-Road Trailer (Meets D.O.T. and Transport Canada Requirements) Available w/Either Electric or Hydraulic Surge Brakes, Running Lights, Two Trailer Jack Stands and Safety Chains. EPS w/Submersible Transducer Liquid Level Sensor.**

***50 Ft. (15 m) Standard Length; Dual Switches and Alternate Cable Lengths Available From the Factory.*

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

ENGINE SPECIFICATIONS

Model: John Deere 4045D "Power Tech".
Type: Four Cylinder, Four Cycle, Liquid Cooled Diesel Engine.
Displacement: 276 Cu. In. (4,5 liters).
Governor: Mechanical.
Lubrication: Forced Circulation.
Air Cleaner: Dry Type.
Oil Reservoir: 9 U.S. Qts. (8,5 liters) Dry; 8 U.S. Qts. (7,6 liters) Refill.
Fuel Tank: 88 U.S. Gals. (330 liters).
Full Load Operating Time: 27.2 Hrs.
Starter: 12V Electric.
Standard Features: Low Oil Pressure and High Coolant Temperature Safety Shut Down Switches/Indicators. Autostart Instrument Panel Includes: Tachometer, Voltmeter, Hourmeter, Coolant Temperature Gauge, Oil Pressure Gauge, Manual/Stop/Auto Key Switch, 10 Amp Pushbutton Circuit Breaker, Audible Startup Warning Delay. Muffler w/Guard and Weather Cap. Throttle Control.

JOHN DEERE PUBLISHED PERFORMANCE:
 Maximum Continuous BHP 72 (54 kW) @ 2500 RPM



THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO
 GORMAN-RUPP OF CANADA LIMITED • ST. THOMAS, ONTARIO, CANADA

www.grpumps.com
 Specifications Subject to Change Without Notice

Printed in U.S.A.

Specification Data

SECTION 42, PAGE 1126

APPROXIMATE
DIMENSIONS and WEIGHTS

SKID BASE

2-WHEEL

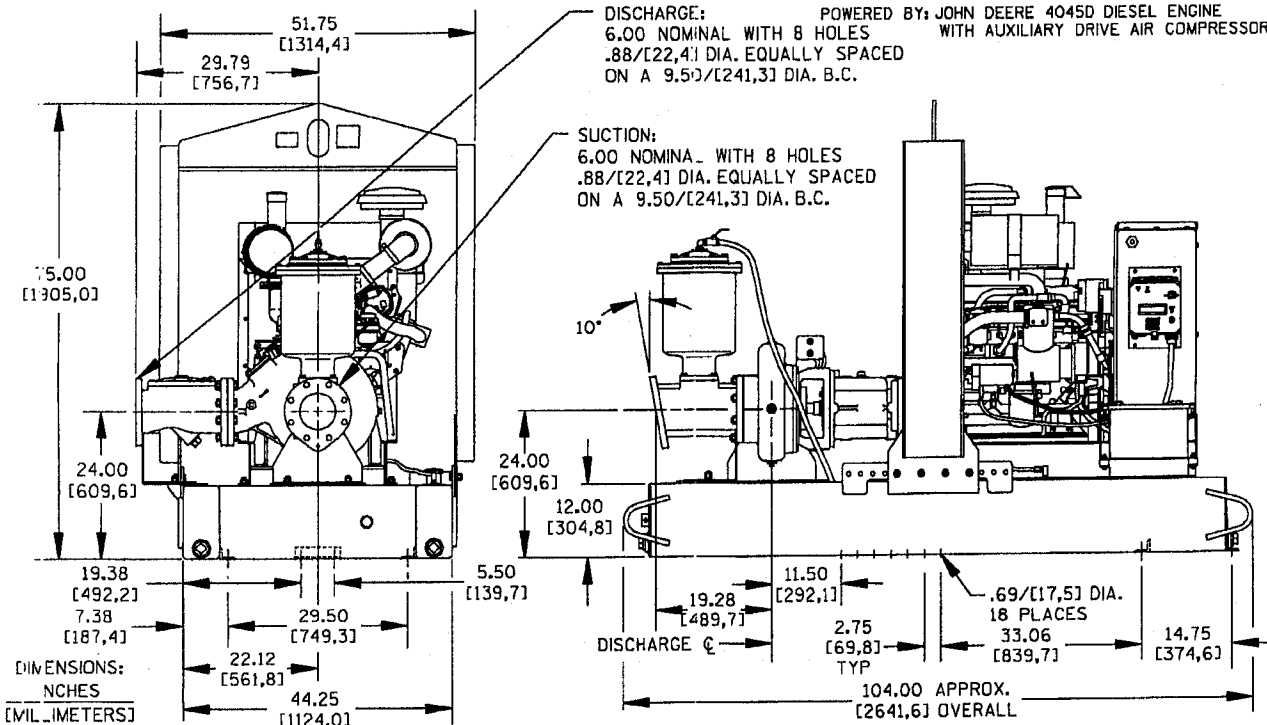
NET WEIGHT: 3430 LBS. (1555 KG.)

4135 LBS. (1876 KG.)

SHIPPING WEIGHT: 3730 LBS. (1691 KG.)

3900 LBS. (1876 KG.)

EXPORT CRATE SIZE: 299 CU. FT. (8.5 CU. M.)



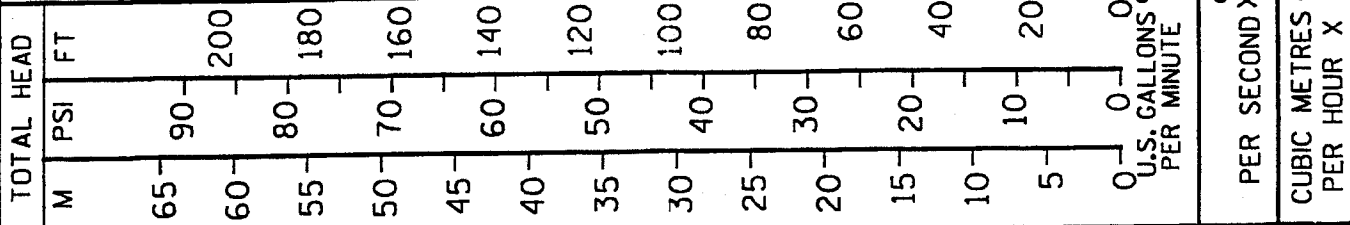
SPECIAL PERFORMANCE CURVE

JOHN DEERE 4045D DIESEL ENGINE
GOVERNOR SETTING 2100 RPM @ SHUT OFF
DO NOT RUN BELOW 1400 RPM
3.00"/[76.2 MM] DIA. MAX. SPHERICAL SOLIDS

VOLUTE 26835-254 CI
26835-274 SST
IMPELLER 26835-203 CI
26835-234 SST

CURVE SP-2718
MODEL PA6F-4045D
SIZE 6"X6" IMP.DIA. 10.09"
SP.GR. 1.0 RPM NOTED

Note: Performance curve does not include discharge check valve losses.



C-10-06