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Diesel Engine Driven Priming Assisted Centrifugal Pump w/Autostart

Model PA4C22-4045H

Size 6" x 4"



Total Head		Capacity of Pump in U.S. Gallons per Minute (GPM) at Continuous Performance			
P.S.I.	Feet				
128.3	296	350	350	350	350
121.4	280	630	720	720	720
104.0	240	690	975	1110	1200
86.7	200	700	980	1120	1220
69.4	160	700	980	1120	1220
52.0	120	700	980	1120	1220
34.7	80	700	980	1120	1220
17.3	40	700	980	1120	1220
Suction Lift		25'	20'	15'	10'

PUMP SPECIFICATIONS

Size: 6" x 4" (152 mm x 102 mm) Flanged.

Casing: Stainless Steel 316.

Maximum Operating Pressure 217 psi (1496 kPa).*

Enclosed Type, Two Vane Impeller: Stainless Steel 316.

Handles 3" (76,2 mm) Diameter Spherical Solids.

Impeller Shaft: Chromed Stainless Steel 17-4PH .

Replaceable Wear Ring: Stainless Steel 316.

Back Plate: Stainless Steel 316.

Bearing Frame: Gray Iron 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 18-8 Cage and Spring. Maximum Temperature of Liquid Pumped 160°F (71°C).*

Priming Chamber: Stainless Steel 316 Housing w/Stainless Steel Float and Linkage.

Shaft Sleeve: Stainless Steel 316.

Discharge Check Valve: 125# Stainless Steel 316 Housing w/Fluorocarbon Flapper (DuPont Viton® or Equivalent) .

Radial Bearing: Open Single Row Ball.

Thrust Bearings: Two Open Single Row Ball.

Bearing Lubrication: Grease.

Flanges: Stainless Steel Grade CF8M.

Gaskets: Fluorocarbon (DuPont Viton® or Equivalent).

O-Rings: Fluorocarbon (DuPont Viton® or Equivalent).

Wetted Hardware: Stainless Steel.

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. Suction and Discharge NPT Threaded Flange Kits. High Speed (55 MPH/89 KM/H) Single Axle Pneumatic-Tired Wheel Kit w/w/o 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. EPS w/Submersible Transducer Liquid Level Sensor. **

**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: 88 U.S. Gals. (330 liters).

Full Load Operating Time: 17.9 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/Weather Cap. Throttle Control.

JOHN DEERE PUBLISHED PERFORMANCE:

Maximum Gross BHP (Ind/Hvy Duty) 115 (86 kW) @ 2200 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.

