



## SPECIFICATIONS

# 10 INCH SELF PRIMING

## Premier Pump Model P3WSP8A-4045TF285-120 Engine Driven, Heavy Duty Solids Handling Pump

### **Pump Specifications:**

- Pump size: 10"X 10" flange to flange
- Pump Casing: Ductile Iron
- Operating pressure: Maximum 120 psi (797 kPa)
- Impeller: Open type, two vane, cast steel. Passes 3" solids
- Impeller Shaft: Stainless steel No. 17-4PH
- Wear Plate: Replaceable, Hardened Carbon Steel no. 1015
- Cover Plate: Removable/adjustable ductile iron 30
- Flap valve: Neoprene with steel reinforcing ring
- Bearing housing: Ductile Iron
- Seal Plate: Ductile Iron
- Shaft Sleeve: 17-4PH stainless steel
- Radial Bearing: Open single ball
- Thrust Bearing: Open double ball
- Bearing/Seal Cavity Lubrication: SAE No. 30 oil
- Flanges: 125# Ductile iron ANSI
- Gaskets: Buna-N, compressed synthetic fibers, vegetable fiber, PTFE, cork, and rubber
- O-Rings: Buna-N
- Hardware: Plated steel/grade 8/SST
- Pressure release valve: Brass

**Optional Equipment and Materials:** Hi-Chrome, CD4MCu. Automatic air release valve, 120V/240V casing heater. High pump temperature shutdown kit, moisture probe, gauge kit, Other elastomers available.

### **Engine Specification:**

- Model: John Deere model 6068TF285
- 115 intermittent horsepower @ 2400 RPM
- Six cylinder, four cycle, water cooled diesel engine
- Governor: Mechanical
- Lubrication: Force Feed
- Air Cleaner: Filter element
- Fuel Tank: 120 US gallons
- Run time: Full load (1800 RPM) ~ 24 hours
- Starter: 12 volt electric

**Standard features:** Safety shutdown switches for low oil pressure and high temperature. Instrument panel with temperature and oil pressure gauge, ampmeter, hourmeter and tachometer. Muffler with rain cap. Engine to pump coupling: SAE4 housing with 10" rubber disc drive.



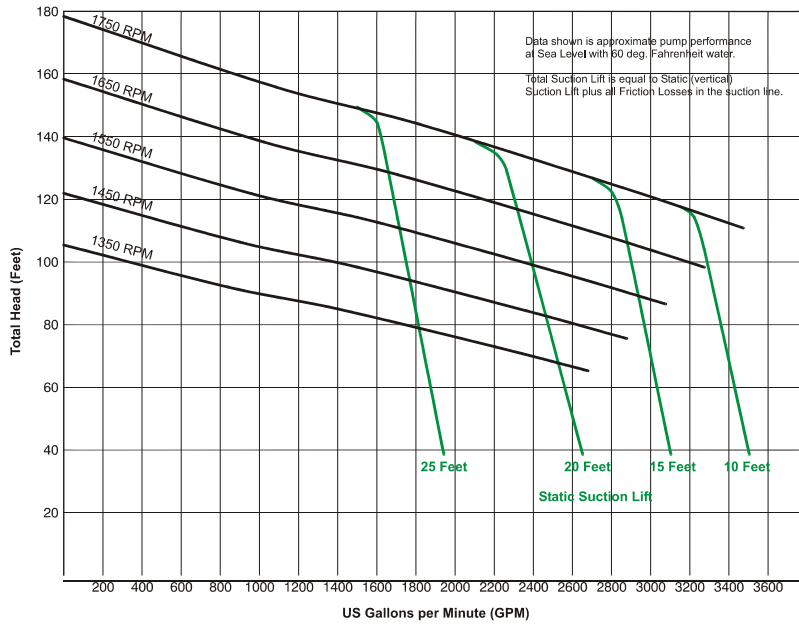
*Pictured: P3WSP6A-4045TF280-T60*

**Standard Skid:** Heavy duty fabricated steel frame. Integral fuel tank, lifting bilt, lockable fuel tank, and one 1½" clean-out/drain plug

**Standard Trailer:** Heavy duty fabricated steel frame, integral fuel tank, fenders, lifting bail, lockable fuel cap, Dual 5200# Anti-torsional axles, two (2) front adjustable leveling jacks and two (2) rear adjustable leveling jacks, one 1½" clean-out plug, fuel gauge, adjustable height tongue with easy conversion from ball hitch to Lunette eye

**Trailer Options:** DOT light package, work lights, special tires & wheels, dual axles, diamond plate fenders, surge brakes, lockable enclosed instrument panel, lockable enclosed engine housing, storage box, hose rack and more

## Self Primer Series



Suction: 10"  
Discharge: 10"  
Impeller Diameter: 13.25"  
Max. Solid Sphere: 3.00"

Determine NPSHR prior to using repriming table. Do not use available suction lifts

Clear Water Performance

$$BHP = \frac{GPM \times FT \times SG}{3960 \times Efficiency}$$

$$KW = \frac{M^3 / HR \times M \times SG}{367 \times Efficiency}$$

Certified tests are performed using Hydraulic Institute acceptable level H.

MAY 2008

RPM  
Variable

**P3WSP10A**

