

## SPECIFICATIONS

# 6" x 8" DRY PRIME CHOPPER PUMP

**Model: HE6W8-VP-4045TF290-60**

**Diesel Engine Driven, Vacuum Primed, Solids Handling, Heavy Duty Chopper Pump**

### Pump Specifications:

- **Pump Model:** Vaughan Portable HE6W8CS-105
- **Pump Output:** 2,500 GPM maximum
- **Total Dynamic Head:** 130 feet maximum
- **Suction Lift:** Up to 24 feet practical
- **Pump Operating Speed:** 2000 RPM maximum
- **Impeller/ Cutter Bar / Cutter Nut / Upper Cutter:** Cast Steel, heat treated to minimum Rockwell C 60. Impeller dynamically balanced
- **Casing/Back Pull-Out Plate:** Ductile Cast Iron. Back pull-out design shall incorporate adjusting sleeves for external adjustment of impeller-to-cutter bar clearance
- **Flushless Mechanical Seal:** Cartridge type with tungsten carbide faces
- **Thrust Bearings:** Back-to-back angular contact ball type, grease lubricated
- **Radial Bearings:** Ball type, grease lubricated
- **Shaft:** Heat treated steel
- **Elastomers:** Buna N (Viton optional)
- **Discharge Flange:** 6 inch, 125 class ANSI
- **Suction Flange:** 8 inch, 125 class ANSI
- **Standard Finish:** Treated with solvent wash and coated with Acrylic Urethane
- **Midland 1300 series compressor:** Lubricated by engine oil and cooled by engine water
- **Air/Water chamber:** Chamber designed to separate air and water before entering the pump case
- **Venturi Priming:** Constructed of non-corrosive bronze

### Engine Specification:

- **Model:** John Deere model 4045TF290 Interim Tier 4
- **HP:** 72 peak intermittent HP @ 2000 RPM
- **Engine:** Four cylinder, four cycle, turbocharged, water cooled diesel engine
- **Governor:** Mechanical
- **Lubrication:** Force feed
- **Air Cleaner:** Filter element
- **Fuel Tank:** 60 US gallons
- **Run time:** Full load (1800 RPM) ~ 14 hours
- **Fuel Consumption:** 3.95 Gallons Per Hour @ Max RPM
- **Starter:** 12 volt electric



**Standard Engine Features:** Safety shutdown switches for low oil pressure and high temperature. Instrument panel with temperature, oil pressure, amp-meter, hour-meter and tachometer gauges. Muffler with rain cap. Engine to pump coupling: SAE3 housing with 10" rubber disc drive.

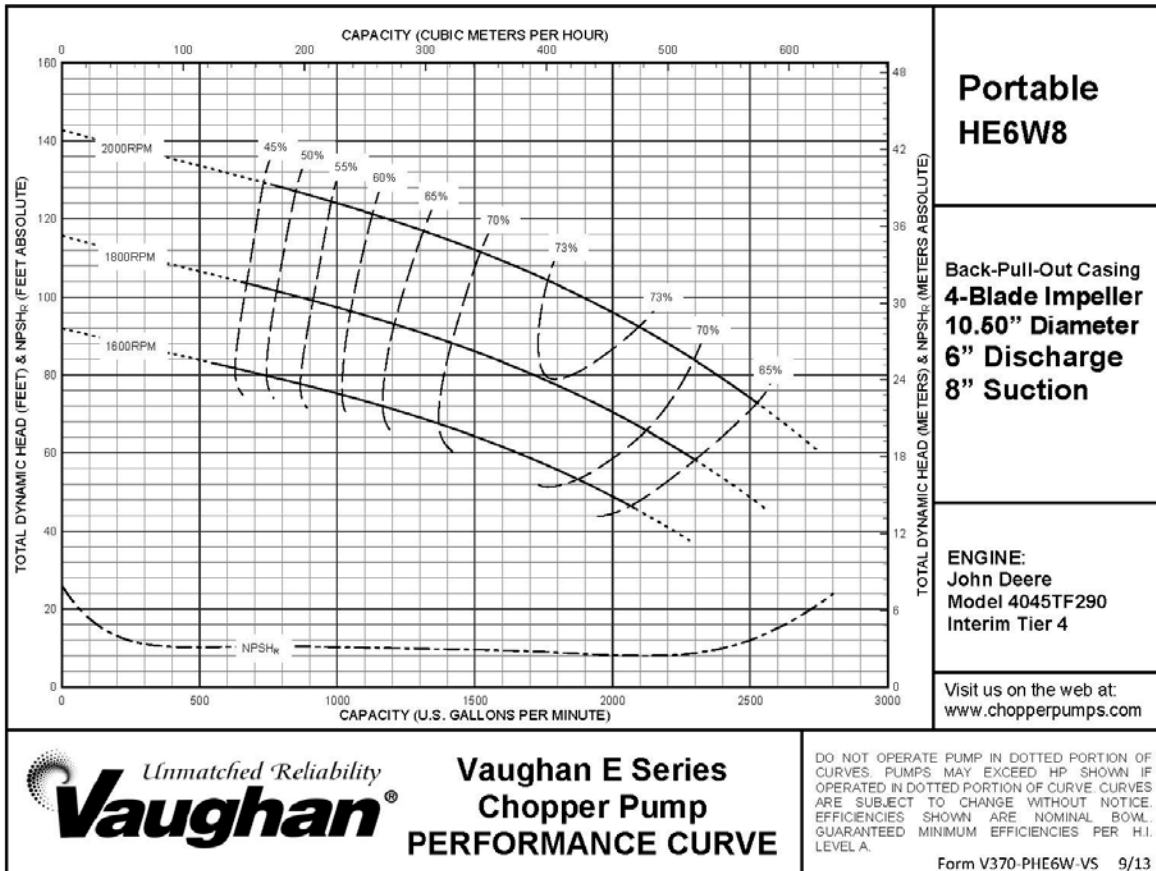
**Standard Skid:** Heavy duty powder coated fabricated steel frame. Integral fuel tank, lifting bale, lockable fuel tank, and one 1½" clean-out/drain plug.

**Standard Trailer:** Heavy duty powder coated fabricated steel frame, integral fuel tank, fenders, lifting bail, lockable fuel cap, one 1½" clean-out/drain plug, 5200# Anti-torsional axle, two (2) front adjustable leveling jacks and two (2) rear adjustable leveling jacks, wet cell battery, transportation tie downs, fuel gauge, electric trailer brakes, removable tongue, adjustable height tongue with easy conversion from ball hitch to lunette eye.

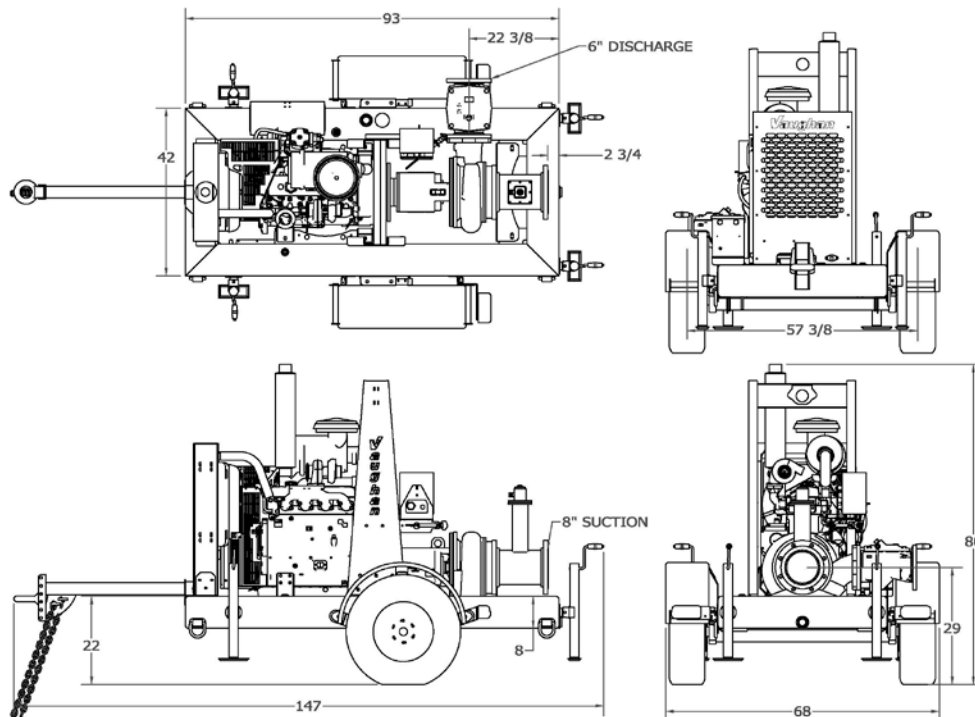
**Optional Equipment:** DOT light package, work lights, special tires & wheels, dual axles, diamond plate fenders, surge brakes, lockable battery box, lockable enclosed instrument panel, lockable enclosed engine housing, storage box, hose rack, auto-start level controls and more.

*Specifications subject to change without notice*

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Unit Weight (dry)	1588 KG (3500 LB)
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