



Arrowhead Pump & Supply
 2452 E Ironside Drive, Gilbert, AZ 85298

Date: 4/21/2025
 Attn: Ryan Williams
 Company: San Luis Rey WRF
 Subject: Vaughan Engine Driven
 Pump

VAUGHAN THE6W8-PPT-TD2.9L4-T100-SA "6

Inch" Dry Prime Portable Enclosed Trailer Mount

Chopper Pump:

A) PATRIOT PRODUCTS PPT-TD2.9L4-T100-SA

ENCLOSED Trailer WITH FINAL TIER 4

ENGINE CONSISTS OF:

1) Standard Trailer

- Heavy duty fabricated steel trailer frame with 60-gallon integral steel fuel tank containing fuel gauge, fill spout and level gauge, fenders and lifting bail
- Heavy Duty 12v, 950CCA, Group 31 battery mounted in a lockable, heavy wall polyethylene enclosure
- 5,200 lb. Axle-Less, Independent Trailer Suspension with electric brake hubs
- Electric trailer brakes with 7-Blade Flat connector
- DOT Light Package; includes turn signal, brake and side marker lights
- 16" steel wheels with ST235-80R16E tires
- (1) 2500lb tongue jack and (2) rear jacks for stabilizing unit in the field
- Transportation tie downs
- Adjustable height tongue with safety chains and easy conversion from ball hitch to lunette eye
- Trailer Hitch – Pintle Style Hitch with 12K lb. Tow Ring
- Auxiliary Float (two-switch input) and Transducer (4-20 mA) plug-in connectors located below control panel.
- Entire package completely assembled, primed, and painted Vaughan Green and Grey, prior to shipment.

Includes Vaughan decal package.

2) Standard Engine Features

- Safety shutdown switches for low oil pressure and high temperature
- Controls Inc, CX Series, Automatic - Start/Stop diesel engine control panel with isolation mounting and electronic throttle control
- Sealed Dual Float 4-pin switch connector and M12 Transducer connector with cap located in rear enclosure panel
- Equipped with toggle switch throttle control and standardized menus which include temperature and oil pressure gauges, amp-meter, hour-meter and tachometer
- Muffler with rain cap
- Engine to pump coupling; SAE #4 housing with rubber disc drive

3) Engine Specification

- **Model:** Duetz TD2.9L4, Final Tier 4 Diesel Engine
- **HP:** 58 Continuous HP @ 1800 RPM
- **Engine:** 2.9L, four-cylinder, vertical in-line, liquid cooled diesel engine
- **Aspiration:** Turbocharged
- **Emissions:** Externally Cooled EGR
- **After Treatment:** DOC Only
- **Air Cleaner:** Direct flow
- **Fuel Tank:** 100 US gallons
- **Starter:** 12-volt electric

4) Dry Priming Vac Assist System

- Continuous 50 CFM mechanically driven diaphragm style vacuum pump with components for mounting and guarding vacuum pump drive
- ASTM A36 carbon steel 8" suction spool
- Standard construction priming chamber including positive sealing air separation valve with stainless steel float ball, linkage, and strainer.
- Ductile Iron, 6" SWING-FLEX® discharge check with a Buna-N with alloy steel and nylon reinforced disc

5) Enclosure

- Powder coated Galvanneal steel enclosure panels and doors for weather resistance and interior access
- All access panels shall be hinged for easy opening and closing, and shall be lockable
- Installed sound deadening material reduces noise levels to, 72dBA @ 30ft.

B) VAUGHAN PORTABLE THE6W8CS-105 HORIZONTAL

END SUCTION CHOPPER PUMP CONSISTING OF:

- **Casing and Back Pull-out Plate**, cast ductile iron.
- **Impeller, Cutter Nut and Upper Cutter**, cast steel, heat treated to minimum 60 Rockwell C Hardness.
Impeller dynamically balanced.
- **Cutter Bar**, plate steel, heat treated to minimum 60 Rockwell C Hardness.
- **Shaft**, heat treated steel with full length key.
- **Bearings**, ball type thrust and radial bearings, oil lubricated.
- **Bearing/Packing Housing**, cast ductile iron; assembled in the inverted orientation.
- **Flushless Mechanical Seal**, cartridge type with TC faces and integral shaft sleeve, as manufactured by Vaughan. Includes external oil reservoir kit.
- **Elastomers**, BUNA N
- **Flanges**, 6" Discharge & 8" Suction Flange, 125 LB ANSI rated.

PRICE Each: \$153,000.00

Estimated Freight: \$6800.00

TAX 8.3 % \$12,699.00

Regards.

Kevin Oliver

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www.arrowheadpumpsupply.com

kevin.oliver@arrowheadpumpsupply.com

M: 623-606-4275