



To: City of Oceanside
Attn: Ryan Williams

February 6th, 2025

RE: Vaughan Chopper Pump



Ryan: Please see the updated information regarding the By-Pass Trailer Pumps for the Raw Wastewater Operation. As we have shown at yours and in many local plants, the chopper pump will cut and chop plastics, hair, rags, wood and misc. other material. This includes areas like digesters (heat recirc. & mixing), pump stations, waste sumps, primary scum and sludge, screenings, and problem areas where the continuous chopping and cutting of the solids will keep the operation clean.

We would like the chance to continue to show you the advantages of the chopper pump and how we eliminate any need for other pumps, screens, and grinders. We know we can help your operations and guarantee the performance of the Vaughan Chopper Pumps.

Please let us know if you have any questions or need more information.

Thanks,

Kent Rockwell

**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.

- **Bell Housing**, SAE #4, with belt cutout located at the 12 o'clock position.
- **Suction Adaptor**, to 8" suction flange.
- **Pump Finish**: Sandblast and coat with minimum 30 MDFT Tnemec Perma-Shield PL Series 431 epoxy. (Except Motor & powder coated base.)

DISCOUNTED PRICE EACH:

\$132,440.-

PUMP PERFORMANCE: TBD
APPLICATION: By-Pass
INDUSTRY: Municipal

TOTAL FOR 2:

\$264,880.-

TAX (8.25%)

\$ 21,852.60

FREIGHT:

\$ 6,800.-

TOTAL:

\$ 293,532.60

PUMP PERFORMANCE: TBD
APPLICATION: By-Pass
INDUSTRY: Municipal