

DESIGN REQUIREMENTS: Discharge size: 6 inches; Suction size: 6 inches; Capable of 1750 GPM minimum; Capable of 160 ft. Total Dynamic Head (TDH) minimum; Duty Point, Maximum: 1,000 gallons per minute minimum (GPM) at 120 ft. Total Dynamic Head (TDH); Solids handling capability size, minimum size: 3 inches. ENGINE: Diesel engine, appropriate to pump size at continuous duty; Emission compliant engine; Industrial grade exhaust muffler and rain cap; Oil and coolant drain lines with ball valves; Low water level shutdown switch; 12vdc system with battery rack and cables; 50 gallon minimum fuel tank with low fuel level alarm and shutdown. PUMP: Check valve; Self-priming system. CONTROLS: Solid state, microprocessor-based pump controls; Controls shall provide all operating, monitoring and control functions for the pump set; Controller will also provide 2 fully programmable contacts for input and output signals accordingly; Controller will provide remote start stop control with adjustable ramp (speed) time control; UL 508 R and CSA C22.2 No. 14 approved. TRAILER: The manufacturer shall mount the diesel engine and pump unit with the above 50 gallon subbase tank on a street legal D.O.T. approved trailer; This trailer will be able to be rated for a safe travel at speeds of 60 mpg and not be limited to the following specifications: Trailer design shall be such that the County/City may easily remove the entire engine, fuel tank and pump from the trailer; 12vdc electric system; Lunette or military type towing ring with safety chains; Single point lifting bar; License plate bracket; Sand shoe type support stands front and rear; Torque spring axles to meet load of trailer; The trailer must have a VIN and a certificate of origin. STARTUP AND COMMISSIONING: Vendor must coordinate all startup and testing activities with the engineer/owner; After field delivery of the pump and trailer, an authorized factory representative shall perform the initial startup and field testing of the pump and trailer; If conditions permit, a site will be determined where connection will be made by the County/City to test the pump package; If a site cannot be prepared a standard operational test will be performed; At the same time the startup test is performed, the factory representative will provide all necessary operation, field maintenance and minor repair training as necessary; This will also include safety procedures and hazard. assessment.

Meets or exceeds all requirements of Spec 269



PREMIER PUMP & POWER
THE WAVE OF THE FUTURE

ECO-PUMP

SPECIFICATION SHEET FOR MODEL 6NNT Trailer Mounted Trash Pump VACUUM ASSISTED, HEAVY DUTY SOLIDS HANDLING PUMP

PUMP SPECIFICATIONS

Size	6" X 6" AISI 125# flanges
Wear Ring	ASTM A48 class 30 cast iron
Volute Casing	ASTM A48 class 30 cast iron
Backplate	ASTM A48 class 30 cast iron
Mechanical Seal	Tungsten vs. Silicon Carbide seal faces, Viton elastomers, 300 series stainless steel hardware & spring, seal system designed for dry indefinite running
Impeller	Enclosed type, two port, non clog, w/3 inch spherical solids handling capability. ASTM A48 class 30 cast iron
Bearing Housing	ASTM A48 class 30 cast iron
Pump-end Bearing	Single row ball – 6313-C3
Drive-end Bearing	Single row ball – 6313-C3
Shaft	1144 Stressproof steel
Lip Seals	CR type, single lip
Discharge check valve	Swing type, ductile iron w/Buna-N disc

PRIMING

Priming System	Vacuum Pump: 50 CFM air flow capacity, diaphragm style continuous vacuum, mechanically driven
Separator Spool	Standard steel
Air/Water Chamber	Chamber designed to separate air and water before entering the pump case



ENGINE SPECIFICATIONS

Model	Cummins Model QSF2.8 Final Tier 4
Horsepower	74 intermittent horsepower @ 2500 RPM Four cylinder, four cycle, water cooled diesel engine
Governor	Electronic
Fuel Consumption	3.9 Gallons Per Hour @ Max RPM
Safety Shut Down	Low Oil Pressure, High Temperature
Instrument Panel	Lofa CP750 auto start control

STANDARD TRAILER

Frame	Heavy duty, powder coated fabricated steel frame with lifting bale
Fuel Tank	80 gallon HDPE fuel cell
Axle	5200# Torsion Flex
Brakes	Electric with DOT lighting package



MANUFACTURER CERTIFICATION

FSA20-VEL28.0 Pursuit, Administrative & Other Vehicles,
FSA20-VEH18.0 Heavy Vehicles
FSA 20-EQU18.0 Heavy Equipment

This is to certify that Pats Pump & Blower is the manufacturer
(Vendor/Respondent's Name) or a
manufacturer's authorized dealer of Eco Pump
(Manufacturer/Brand Name)
in the State of Florida.

By:

Manufacturer Name: Eco Pump

Address: 7600 NE 41st Ave

City, State, Zip: Vancouver Washington 98661

Office Phone: 360.571.4519 Mobile Phone: 206.845.7008

E-mail: jjohnson@premier-pump.net

Signature: [Handwritten Signature]

Title: SALES MANAGER

PLEASE NOTE: This certification form must be executed by an authorized employee of the manufacturer **ONLY**. Dealers/Representatives are not authorized to execute this certification form on behalf of the manufacturer. The manufacturer must execute this certification form even if they are offering their own products. Failure to submit this certification form with your response as required shall result in the disqualification of the response.