SALIENT CHARACTERISTICS: Commercial Hot Water Sewer Jetter Trailer

BLD.896

1. Overall System Performance & Capabilities

Operating Output: System must deliver a minimum high-pressure output of 3,500 PSI at a flow rate of 22 Gallons Per Minute (GPM).

Pipe Capacity: Must be capable of clearing and cleaning commercial sewer lines up to 18 inches in diameter.

Pulsation Feature: Must include an integrated pulsation system (e.g., Aqua Pulse or equivalent) to assist the hose in navigating pipe bends and breaking up blockages.

2. Engine and Pump Subsystem

Engines: Must feature dual (2) commercial-grade gas engines (Kohler ECH980 or equivalent) with electric start capabilities.

Pumps: Must feature dual (2) ceramic plunger pumps (General Pump or equivalent) driven by a poly chain drive system.

Fuel Storage: Must include two (2) gas fuel tanks with a minimum capacity of 6.5 gallons each.

Power Supply: Must include an onboard battery system housed in a dedicated battery box.

3. Heating System

Burner: Must feature a 12-volt diesel-fired burner (Beckett or equivalent).

Heating Capacity: Must provide a minimum temperature heat rise of 130°F, reaching a maximum temperature of 195°F, controlled via an adjustable thermostat.

Coil & Hardware: Must utilize a Schedule 80 heating coil protected by a stainless steel cover.

Fuel Storage & Filtration: Must include a minimum 8.5-gallon diesel fuel tank with a cleanable fuel filter.

4. Water Supply and Controls

Water Tank: Must include a minimum 500-gallon onboard water tank with complete integrated plumbing.

System Protection: Must feature an automatic tank overflow shutoff and a low-water shutdown mechanism to protect the pumps from running dry.

Operator Controls: Must include a NEMA 4 rated watertight control panel.

Flow Control: Must include a foot pedal valve for hands-free water flow operation and adjustable pressure controls.

5. Hoses, Reels, and Accessories

Main Jetter Reel: Must feature a 12-volt electric hose reel with a hose guide, spooled with a minimum of 400 feet of 1/2-inch low-friction sewer jetting hose.

Secondary Reels: Must include two (2) rear-stacked mounted hose reels designed to hold a minimum of 200 feet of high-pressure hose and 100 feet of 3/4-inch garden hose.

Wash-Down Equipment: Must include a minimum 50-foot wash-down hose complete with a wash-down gun, wand, and tips.

Nozzle Kits: Must include a minimum of two (2) 6-piece sewer nozzle kits with cleaners (specifically sized for 23.5 and 12.0 orifices).

Storage: Must include a deluxe tongue-mounted tool box for secure storage of accessories.

6. Trailer Specifications

Dimensions & Build: Must be a 5' x 12' tandem axle trailer featuring a steel diamond-plate floor, low-rise rails for easy operational access, and a safer V-braced tongue.

Suspension & Brakes: Must feature dual 3,500 lb leaf spring "easy ride" axles equipped with electric trailer brakes.

Towing Interface: Must utilize a 2-inch ball hitch and a standard 7-PIN electrical connection.

Wheels & Lighting: Must be equipped with 15-inch, 6-ply tires mounted on painted steel wheels and feature DOT-compliant LED trailer lighting.