

SPECIFICATIONS For KWMI DIESEL SELF PROPELLED TRACKED POWER CARRIER SEWER CLEANER (EASEMENT MACHINE)

MISSION and GENERAL NOTES:

_____, requires a self propelled, all terrain track type “easement” machine equipped with a high pressure hydraulic sewer cleaner and hose reel assembly to be used in conjunction with a high pressure hydraulic sewer cleaning machine. This machine is intended to be used to extend high pressure sewer cleaner capabilities to normal inaccessible areas such as easements, hillsides, ravines, creek beds, wooded areas and behind structures.

This machine shall be delivered complete and ready for use; all parts not specifically mentioned in this document that comprise any part of the complete unit shall conform to the highest standard of engineering practice in design, material strength, workmanship and quality of material. In addition, compliance with any and all applicable Federal, State and local regulations and standards including EPA, OSHA and ANSI is required.

DIMENSIONS

Overall Maximum Dimensions:

- 114" (inches) maximum length
- 66" (inches) maximum height
- 46" (inches) maximum width

MACHINE SPECIFICS

Propulsion and Platform:

- Self-propelled crawler type track system with 6 heavy duty track carriers on each track
- Tracks shall be 10" (inches) wide and exert a maximum ground pressure of 3.5 psi.
- Travel motors must have full system pressure and proper shaft seals to prevent external fluid leakage.
- Propulsion and maneuvering provided by 2 hydraulic motors with sprockets driving tracks.
- Units shall be capable of forward, reverse and skid turning motion including:
 - 360° (degree) turn
 - 0° (degree) turning radius
 - Variable speed of 0-5 MPH
- Unit must be equipped with removable folding ride-on platform for the operator.
 - Platform must be capable of tilting 35° (degrees)
 - Hose reel shall be capable of being easily removed from the platform to facilitate materials hauling.
 - Hose reel hydraulics must be equipped with a quick disconnect system

Safety Hose Reel and Frame:

- Hose reel:
 - Designed to withstand maximum working pressure
 - Designed to prevent hose damage
 - Designed with ¼" steel flange
 - Capacity of 750' of ¾" or 600' of 1" hose
 - Reel is driven by hydraulic motor
 - Equipped with a hose guide and footage counter
 - Equipped with inlet hose shutoff valve and pressure gauge

Frame Construction:

- Frame is constructed of heavy duty steel tubing.
- The frame shall be capable of supporting the operating weight of the machine.

Engine/Electrical:

- Engine is an air cooled diesel engine
- Engine electrical system is 12 volt DC and has charging system for battery.
- Starting switch is a key switch.
- Engine is equipped with low oil shut down and manual fuel shut off valve.
- Engine oil filters are spin on type.
- Engine fuel filter is inline on gas machine.
- Engine has an easy access oil drain plug.

Operating Controls:

- All gauges and switches are located on the control panel with easy access for operator.
- Gauges are hour meter on gas machine and diesel has a hour, oil and water temperature gauge.
- Engine has controls appropriate to the internal combustion engine use (throttle, choke, etc)
- Control panel has safety and operation labels in full site of operator.

Hydraulic System:

- Hydraulic tank is 7 gallons
- Hydraulic hose and fittings have a SAE 100R2 pressure rating
- Auxiliary hydraulic pump has 4-10 GPM
- Hydraulic system has a 10 micron spin on filter
- Hose reel has a flow control to adjust speed of reel
- Hose reel is equipped with quick connect couplings

Warranty:

- Limited 1 year on KWMI fabricated parts and frame (if proven factory defect)
- Engines 2 years by the manufacturer
- Tracks (only warranted if proved factory defect) 0 days
- Track carriers, Idler wheels, and drive sprockets 90 days
- Electrical components and cables 90 days
- Hydraulic valves, hoses and fittings 90 days