

SERIES I
Propane

TELEWELD INC.

MODEL #
T-SI-P-3



OPTIONS:

- Car style (full size)
- Style of burners (Standard)
- No. Burners 32
- Vibrators (Dual with float)
- Speed (3 MPH)
- Engine Diesel

General

The Teleweld Series 1 CWR Rail Heater Car is a continuously welded rail heater. The Power Car will feature a propulsion system providing travel / work speeds to 3 MPH, Towable up to 20MPH, dual vibrators (2HC), dual heaters (16 burners over each rail) and a 500 gallon, DOT MC-331 certified propane reservoir.

Heating Unit

Each heating unit consists of thirty two crucibles mounted on a standard carriages designed for heating on wood ties. The two heating units are capable of producing a combined total of 1,700,000 B.T.U.'s per hour. The burners are propane fueled, naturally aspirated and packed with high temperature mortar to distribute the heat along the rail. The machine will be equipped with Teleweld crucibles. These crucibles are of welded construction and contain brass burner screens.

Propane Tank

Propane carried in a 500 gallon storage tank installed on the Heater Car. The tank is built to ASME Pressure Vessel standards and is certified to conform to DOT MC-331 Specifications. All propane lines are stainless steel, either extra heavy iron pipe, high- pressure flexible hose, flexible tubing or rigid tubing. A heat shield is provided to protect manifolds and fittings.

Wheels, Axles & Bearings

All axles are solid, and utilize double row, self-aligning, non-expansion roller type axle bearings mounted in a cast steel or ductile iron pillow block housing. Split collars are provided to prevent axial movement of the axles. Axles will be 2 15/16 inches in diameter. Wheels will be fully insulated.

Drive System

The Heater Car is powered by an air-cooled diesel engine coupled to a hydraulic pump. A hydraulic motor coupled to a drive sprocket will provide a 3 MPH operation speed. A clutch is provided to disengage the drive system for towing.

Brake System

A hand brake is provided for parking. Dynamic braking is accomplished utilizing the hydraulic drive motor.

Operator's Platform

The Heater Car is equipped with an operator's seat.

Emergency & Safety Systems

The Heater Car is supplied with one emergency stop button which is located on the control panel. The emergency stop button will shut off the engine, the propane supply and hydraulics. A hand pump is provided to raise the burners and vibrators to their stored position in case of emergency towing of the vehicle in a power failure.

Engine & Power Train

The Heater Car is operated using an air-cooled diesel engine connected to a gear pump. The engine includes a 12 volt starter, an alternator, and electric high/low throttle control

Transmission

The Heater Car is equipped with a hydraulic motor which provides speeds from 0 to 3 MPH.

Options available upon request.

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