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DEPARTMENT OF THE ARMY TECHNICAL MANUAL

OPERATOR'S MANUAL

CLEANING, STEAM, PRESSURE JET
(CUSTOM BUILT TRAILERS CO.,
INC. MODEL PJC-600)
(4940-473-6218)



HEADQUARTERS, DEPARTMENT OF THE ARMY
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TECHNICAL MANUAL

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SECTION I

INTRODUCTION AND DESCRIPTION

1-1. GENERAL

1-2. This handbook contains Operation and Maintenance Instructions for an oil fired Steam Pressure Jet Cleaner manufactured by Custom Built Trailers Company, Farmingdale, N. Y. This cleaner is identified as Custom Built Trailers Model PJC-600. See Figure 1.

1-3. PURPOSE

1-4. The cleaner is designed to use cleaning compounds conforming to Spec MIL-C-11494 for the removal of dirt, grease, and heavy oil deposits from aircraft sub-assemblies, transportation vehicles, construction equipment similar equipment and parts for maintenance and overhaul. It is a means for combining the cleaning effect of steam, hot water and detergent with impact. The cleaner requires only fuel, cleaning compound, water and electrical connections for its complete operation. It employs a high pressure pump and heater to generate sufficient pressure and temperature to spray the cleaning solution with high impact upon the equipment or surface to be cleaned. The cleaner is also equipped to provide a high pressure rinse when cleaning operations require a solid, high velocity stream of hot or cold water. Cleaning accomplished by using any of the cleaning methods shown in table 1-1 and directing the solution or spray upon the equipment to be cleaned.

TABLE 1-1

<u>METHOD OF CLEANING</u>	<u>DISCHARGE CAPACITY</u>	<u>DISCHARGE PRESSURE</u>	<u>FUEL CONSUMPTION</u>
Vapor Spray	600 gph	90 psig	12 gph
Vapor Spray	600 gph (300 gph/gun)	90 psig	12 gph
Vapor Spray	300 gph (one gun)	90 psig	6.5 gph
Hot Rinse	500 gph	300 psig	6.5 gph
Cold Rinse	500 gph	300 psig	0

1-5. GENERAL DESCRIPTION (See Figure 1.)

1-6. PHYSICAL. The equipment consists of a unit enclosed within a steel cabinet mounted on a skid base. Two vapor cleaning guns with various interchangeable nozzles and all necessary hoses and accessories are furnished with the cleaner. To clarify location of the various parts of the equipment, the operating side of the cleaner, on which all the valve handles are located, is considered the front of the cleaner. Therefore, facing the front of the unit, the heater assembly is on the left side of the unit, the tanks on the right side of the unit and the water inlet connections on the rear of the unit. Dimensions, weight, etc., of the cleaner are given in Table 1-2.