

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

FIELD AND DEPOT MAINTENANCE MANUAL
PUMP, CENTRIFUGAL
FRESH WATER; GASOLINE
DRIVEN 2 WHEEL MOUNTED
4 IN 500 GPM, 30 FT HEAD
(CARVER MODEL K400S)
FSN 4320-810-7311 (LESS ENGINE)



TECHNICAL MANUAL

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Chapter 1

INTRODUCTION

Section I. GENERAL

1. Scope

a. These instructions cover the Carver Pump Company, Model K400S Centrifugal Pump, less engine. They provide information on the maintenance of the equipment which is beyond the scope of the tools, equipment, personnel, or supplies normally available to using organizations. Refer to TM 5-2805-209-12 and TM 5-2805-209-35 for information and instructions on the engine.

b. The appendix contains a list of all publications referenced in the text. Appendix II of TM 5-4320-215-12 contains the Maintenance Allocation Chart. The list of repair parts required by field and depot maintenance facilities for support of this equipment is contained in TM

5-4320-215-35P.

c. Report all deficiencies as specified in AR 700-38. Submit recommendations for changes, additions, or deletions to The Commanding General, U. S. Army Engineer Maintenance Center, Corps of Engineers, ATTN: EMCDM. P. O. Box 119, Columbus 16, Ohio. Direct communication is authorized.

2. Record and Report Forms

For record and report forms applicable to third, fourth, and fifth echelons of maintenance, refer to TM 5-505, Maintenance of Engineer Equipment.

Section II. DESCRIPTION AND DATA

3. Description

For a complete description of the centrifugal pump, refer to TM 5-4320-215-12.

4. Tabulated Data

a. *Engine Repair and Replacement Standards.* For engine repair and replacement standards, refer to TM 5-2805-209-35.

b. *Time Standards.* Table I lists the number of man-hours required under normal conditions for various operations in the maintenance and repair of the Carver Pump Company, Model K400S Centrifugal Pump. The man-hours listed are not intended to be rigid standards. Under adverse conditions, the operations will take considerably longer; whereas under ideal -conditions with highly skilled mechanics, most of the operations can be accomplished in considerably less time.

Table I. Time Standards

Hours

(1) Lubrication and service:

01 ENGINE	
0100 Engine Assembly	
Engine, gasoline	
(Drain, flush, and refill crankcase, replace filter element)	0.7
03 FUEL SYSTEM	
0306 Tanks, Lines, Fittings	
Tanks, gasoline	
(Remove; clean and replace screen; drain and flush tank; replenish with fuel)	0.7
06 ELECTRICAL SYSTEM (ENGINE AND VEHICULAR)	
0601 Generator	
Generator, engine accessory, electrical	
(Fill oil cup)	0.1