

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

DIRECT AND GENERAL SUPPORT
AND DEPOT MAINTENANCE MANUAL
GENERATOR SET, DIESEL ENGINE: 200
KW, 60 CYCLE, AC, 120/208 V, 240/416
V, 3 PHASE, CONVERTIBLE TO 167 KW,
50 CYCLE, 120/208 V, 240/416 -V, 3
PHASE, MULTI-PURPOSE,
PORTABLE; SKID MOUNTED
(MILITARY DESIGN MODEL SF-200-MD/
CIED) FEDERAL STOCK NO. 6115-999-7901

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TECHNICAL MANUAL

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HEADQUARTERS
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**Direct and General Support and Depot Maintenance Manual
GENERATOR SET, DIESEL ENGINE: 200 KW, 60 CYCLE, AC,
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PORTABLE; SKID MOUNTED, (MILITARY DESIGN MODEL
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CHAPTER 1 INTRODUCTION

Section I. GENERAL

1. Scope

a. These instructions are published for the use of direct and general support and depot maintenance personnel maintaining the Military Standard Model SF-200-MC/CIED (Allis-Chalmers Model 25000-4444650) Generator Set. 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.

b. Report of errors, omissions, and recommendations for improving this publication by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to DA Publications) and forwarded direct to the Commanding General, U. S. Army Mobility Equipment Command, ATTN: AMSME-MPP, 4300 Goodfellow Blvd., St. Louis, Mo. 63120.

c. Report all equipment improvements recommendations as prescribed by TM 38-750.

2. Record and Report Forms

a. DA Form 2258 (Depreservation Guide of Engineer Equipment).

b. For other record and report forms applicable to direct and general support and depot maintenance, refer to TM 38-750.

Note. Applicable forms, excluding standard Form 46 (United States Government Motor Vehicle Operator's Identification Card) which is carried by the operator, shall be kept in a canvas bag mounted on the equipment.

Section II. DESCRIPTION AND DATA

3. Description

A general description of 6 generator set, the location and description of the identification and instruction plates, and information on the differences in models are contained in the Operator and Organizational Maintenance Manual. The repair and maintenance instructions are described in appropriate sections of this manual.

4. Tabulated Data

a. *General.* This paragraph contains all the overhaul data pertinent to direct and general support and depot maintenance personnel. A wiring diagram (fig. 1) is also included.

b. *Generator Classification and Rating.*

Rating200 kw (kilowatts)
Voltage120/208; 240/416 volts
Amperes694/580; 347/290At 60
cycles 1200/694;

601/347

Phase3
Power factor0.8
Frequency60/50 cycles
CoolingFan
LubricationSealed bearing
Duty classificationContinuous
Degree of enclosureFull, dripproof, guarded
DriveDirect
TypeSynchronous
Temperature rise185°F (85°C)

c. *Exciter Classification and Rating.*

TypeStatic
RatingAt full load, 2.1 kw/60;
2.5 kw/50
Voltage151 volts D.C. (direct
current) 58 v/60 cps;
65 v/60 cycles
Amperes35 a/60; 39 a/60