

**TECHNICAL MANUAL**

**OPERATOR'S, ORGANIZATIONAL, DIRECT  
SUPPORT AND GENERAL SUPPORT  
MAINTENANCE MANUAL**

**COMPRESSOR, ROTARY; AIR, SKID MOUNTED;  
DIESEL ENGINE DRIVEN, 125 CFM, 100 PSIG  
(DAVEY MODEL 6M125)  
NSN 4310-01-043-7604**

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| <p><b>This copy is a reprint which includes current pages from Changes 1 and 2.</b></p> |
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TECHNICAL MANUAL

No. 5-4310-354-14

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
WASHINGTON, DC., 25 April 1980**OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT AND  
GENERAL SUPPORT MAINTENANCE MANUAL****COMPRESSOR, ROTARY; AIR, SKID MOUNTED; DIESEL  
ENGINE DRIVEN, 125 CFM, 100 PSIG  
(DAVEY MODEL 6M125)  
NSN 4310-01-043-7604****REPORTING OF ERRORS**

You can help improve this manual. If you find any mistake or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to: Commander, U.S. Army Troop Support Command, ATTN: AMSTR-MCTS, 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798. A reply will be furnished to you.

**TABLE OF CONTENTS**

|         |                                                             | Para | Page |
|---------|-------------------------------------------------------------|------|------|
| Chapter | 1. INTRODUCTION                                             |      |      |
| Section | I. General .....                                            | 1-1  | 1-1  |
|         | II. Description and Data .....                              | 1-8  | 1-1  |
| Chapter | 2. OPERATING INSTRUCTIONS                                   |      |      |
| Section | I. Operating Procedures .....                               | 2-1  | 2-1  |
|         | II. Operation Under Unusual Conditions .....                | 2-3  | 2-15 |
| Chapter | 3. OPERATOR/CREW MAINTENANCE INSTRUCTIONS                   |      |      |
| Section | I. Lubrication Instructions .....                           | 3-1  | 3-1  |
|         | II. Preventive Maintenance Checks and Services (PMCS) ..... | 3-3  | 3-7  |
|         | III. Troubleshooting .....                                  | 3-19 | 3-18 |
|         | IV. Maintenance Procedures .....                            | 3-21 | 3-29 |
| Chapter | 4. ORGANIZATIONAL MAINTENANCE INSTRUCTIONS                  |      |      |
| Section | I. Service Upon Receipt of Materiel .....                   | 4-1  | 4-1  |
|         | II. Movement to a New Worksite .....                        | 4-3  | 4-2  |
|         | III. Repair Parts, Special Tools, and Equipment .....       | 4-5  | 4-2  |
|         | IV. Lubrication Instructions .....                          | 4-8  | 4-2  |
|         | V. Preventive Maintenance Checks and Services (PMCS) .....  | 4-10 | 4-4  |
|         | VI. Troubleshooting .....                                   | 4-18 | 4-11 |
|         | VII. Maintenance of Exhaust Muffler Group .....             | 4-20 | 4-23 |
|         | VIII. Maintenance of Battery Box Group .....                | 4-22 | 4-25 |
|         | IX. Maintenance of Hose and Hose Reel .....                 | 4-24 | 4-27 |
|         | X. Maintenance of Compressor Enclosure Group .....          | 4-26 | 4-30 |
|         | XI. Maintenance of Radiator and Oil Cooler Group .....      | 4-28 | 4-37 |
|         | XII. Maintenance of Fuel Lines, Hoses, and Fittings .....   | 4-30 | 4-41 |
|         | XIII. Maintenance of Air Lines, Hoses, and Fittings .....   | 4-32 | 4-42 |
|         | XIV. Maintenance of Engine Fuel Filter Group .....          | 4-34 | 4-46 |
|         | XV. Maintenance of Engine Electrical Group .....            | 4-36 | 4-48 |

|            |        | Para                                                                                           | Page      |
|------------|--------|------------------------------------------------------------------------------------------------|-----------|
|            | XVI.   | Maintenance of Engine Fuel System, Cooling System,<br>Intake, and Exhaust Manifold Group ..... | 4-41 4-51 |
|            | XVII.  | Maintenance of Engine Rocker Arm Group .....                                                   | 4-49 4-61 |
|            | XVIII. | Maintenance of Instrument Panel Group .....                                                    | 4-51 4-62 |
|            | XIX.   | Maintenance of Speed Control Linkage Group .....                                               | 4-73 4-83 |
| Chapter    | 5.     | DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE INSTRUCTIONS                                    |           |
| Section    | I.     | Repair Parts, Special Tools, and Equipment .....                                               | 5-1 5-1   |
|            | II.    | Troubleshooting .....                                                                          | 5-4 5-1   |
|            | III.   | General Maintenance .....                                                                      | 5-6 5-9   |
|            | IV.    | Removal and Installation of Major Components and Assemblies .....                              | 5-8 5-19  |
| Chapter    | 6.     | REPAIR OF AIR COMPRESSOR                                                                       |           |
| Section    | I.     | Oil Separator Assembly .....                                                                   | 6-1 6-1   |
|            | II.    | Blowdown Valve Assembly .....                                                                  | 6-5 6-6   |
|            | III.   | Oil Filter-thermal Bypass Valve Assembly .....                                                 | 6-8 6-10  |
|            | IV.    | Air Compressor Assembly .....                                                                  | 6-10 6-14 |
|            | V.     | Radiator and Oil Cooler .....                                                                  | 6-13 6-22 |
|            | VI.    | Fuel Tank .....                                                                                | 6-15 6-23 |
| Chapter    | 7.     | REPAIR OF ENGINE ASSEMBLY                                                                      |           |
| Section    | I.     | Alternator Assembly .....                                                                      | 7-1 7-1   |
|            | II.    | Starting Motor Assembly .....                                                                  | 7-3 7-8   |
|            | III.   | Fuel Injection Nozzles .....                                                                   | 7-5 7-15  |
|            | IV.    | Fuel Injection Pump .....                                                                      | 7-7 7-16  |
|            | V.     | Water Pump and Fan Assembly .....                                                              | 7-9 7-33  |
|            | VI.    | Rocker Arm, Cylinder Head, and Valve Assemblies .....                                          | 7-11 7-37 |
|            | VII.   | Oil Pan and Oil Pump Assembly .....                                                            | 7-14 7-46 |
|            | VIII.  | Flywheel and Bellhousing .....                                                                 | 7-17 7-51 |
|            | IX.    | Gear Housing, Cover, and Timing Gears .....                                                    | 7-19 7-54 |
|            | X.     | Camshaft and Camshaft Bearings .....                                                           | 7-21 7-58 |
|            | XI.    | Pistons, Piston Rings, and Connecting Rod Assemblies .....                                     | 7-23 7-60 |
|            | XII.   | Crankshaft and Main Bearings .....                                                             | 7-25 7-65 |
|            | XIII.  | Cylinder Block .....                                                                           | 7-27 7-69 |
| APPENDIX   | A.     | REFERENCES .....                                                                               | A-1 A-1   |
|            | B.     | COMPONENTS OF END ITEMS LIST .....                                                             | B-1 B-1   |
|            | C.     | MAINTENANCE ALLOCATION CHART .....                                                             | C-1 C-1   |
|            | D.     | ADDITIONAL AUTHORIZATION LIST .....                                                            | D-1 D-1   |
| INDEX..... |        | Index 1                                                                                        | Index 1   |

## LIST OF ILLUSTRATIONS

| Number | Title                                                                        | Page |
|--------|------------------------------------------------------------------------------|------|
| 1-1    | Model 6M125 rotary air compressor skid, left front, three-quarter view.....  | 1-2  |
| 1-2    | Model 6M125 rotary air compressor skid, right rear, three-quarter view ..... | 1-3  |
| 1-3    | Wiring diagram .....                                                         | 1-6  |
| 2-1    | Shipping data plate .....                                                    | 2-1  |
| 2-2    | Purging preserving oil from fuel injection pump .....                        | 2-3  |
| 2-3    | Instrument panel controls and instruments.....                               | 2-6  |
| 2-4    | Safety circuit switches .....                                                | 2-8  |
| 2-5    | Air discharge service valves and safety valve.....                           | 2-10 |
| 2-6    | Air compressor unit starting procedures (sheet 1 of 2) .....                 | 2-12 |
| 2-6    | Air compressor unit starting procedures (sheet 2 of 2) .....                 | 2-13 |
| 2-7    | Air compressor unit stopping procedure .....                                 | 2-14 |
| 3-1    | Lubrication order (sheet 1 of 2) .....                                       | 3-2  |
| 3-1    | Lubrication order (sheet 2 of 2) .....                                       | 3-3  |
| 3-2    | Engine crankcase service.....                                                | 3-4  |
| 3-3    | Oil separator service .....                                                  | 3-4  |
| 3-4    | Engine oil filter service.....                                               | 3-5  |
| 3-5    | Compressor oil filter service.....                                           | 3-6  |
| 3-6    | Radiator service.....                                                        | 3-10 |
| 3-7    | Fuel tank service.....                                                       | 3-10 |
| 3-8    | Fuel filter service.....                                                     | 3-11 |
| 3-9    | Drive belt service .....                                                     | 3-12 |
| 3-10   | Battery service.....                                                         | 3-13 |
| 3-11   | Speed control linkage service .....                                          | 3-14 |
| 3-12   | Air cleaner service .....                                                    | 3-15 |
| 3-13   | Instrument panel lamp service .....                                          | 3-16 |
| 3-14   | Quick start assembly service .....                                           | 3-17 |
| 3-15   | Safety Valve Service.....                                                    | 3-17 |
| 3-16   | Engine Crankcase Breather Service.....                                       | 3-18 |
| 3-17   | Purging Fuel System of Air .....                                             | 3-20 |
| 3-18   | Storage Battery, inspection and filling .....                                | 3-30 |
| 3-19   | Fuel tank filling, draining, and fuel filter replacement .....               | 3-32 |
| 3-20   | Engine oil filter, removal and installation .....                            | 3-33 |
| 3-21   | Compressor oil filter, removal and installation .....                        | 3-34 |
| 3-22   | Quick start assembly cylinder, removal and installation.....                 | 3-35 |
| 4-1    | Speed control linkage lubrication .....                                      | 4-3  |
| 4-2    | Quick start assembly lubrication.....                                        | 4-3  |
| 4-3    | Radiator hose service .....                                                  | 4-6  |
| 4-4    | Fuel tank and fuel line service .....                                        | 4-7  |
| 4-5    | Drive belt service and adjustment .....                                      | 4-8  |
| 4-6    | Air cleaner service .....                                                    | 4-9  |
| 4-7    | Controls and instruments service .....                                       | 4-10 |
| 4-8    | Quick start assembly service .....                                           | 4-11 |
| 4-9    | Exhaust muffler group, removal and installation .....                        | 4-24 |
| 4-10   | Battery box group, removal and installation (sheet 1 of 2) .....             | 4-25 |
| 4-10   | Battery box group, removal and installation (sheet 2 of 2) .....             | 4-26 |
| 4-11   | Hose reel assembly, disassembly and reassembly.....                          | 4-28 |
| 4-12   | Exterior components on compressor enclosure, removal and installation .....  | 4-31 |
| 4-13   | Quick start assembly, removal and installation .....                         | 4-31 |
| 4-14   | Engine overspeed shutdown switch, removal and installation .....             | 4-32 |
| 4-15   | Engine and compressor air cleaner assemblies, removal and installation ..... | 4-33 |

## LIST OF ILLUSTRATIONS - Continued

| Number | Title                                                                                                         | Page |
|--------|---------------------------------------------------------------------------------------------------------------|------|
| 4-16   | Data and instruction plates, removal and installation .....                                                   | 4-34 |
| 4-17   | Compressor enclosure group, disassembly and reassembly .....                                                  | 4-35 |
| 4-18   | Radiator and oil cooler group, removal and installation .....                                                 | 4-38 |
| 4-19   | Radiator and oil cooler assembly, disassembly and reassembly.....                                             | 4-39 |
| 4-20   | Fuel lines, hoses, and fittings, removal and installation .....                                               | 4-41 |
| 4-21   | Engine and compressor air intake lines, hoses, and fittings,<br>removal and installation (sheet 1 of 2) ..... | 4-43 |
| 4-21   | Engine and compressor air intake lines, hoses, and fittings,<br>removal and installation (sheet 2 of 2) ..... | 4-44 |
| 4-22   | Compressor control air hoses and fittings, removal and installation .....                                     | 4-45 |
| 4-23   | Engine fuel filter group, removal, disassembly, reassembly, and installation.....                             | 4-47 |
| 4-24   | Starting motor assembly, removal and installation .....                                                       | 4-48 |
| 4-25   | Alternator assembly, removal and installation.....                                                            | 4-50 |
| 4-26   | Fuel injection nozzles, removal and installation .....                                                        | 4-52 |
| 4-27   | Fuel transfer pump, removal and installation .....                                                            | 4-53 |
| 4-28   | Fuel injection lines, removal and installation.....                                                           | 4-55 |
| 4-29   | Cooling fan, water pump, and thermostat, removal and installation .....                                       | 4-57 |
| 4-30   | Intake manifold, removal and installation .....                                                               | 4-58 |
| 4-31   | Exhaust manifold, removal and installation .....                                                              | 4-59 |
| 4-32   | Rocker arm-to-valve stem clearance, checking and adjustment .....                                             | 4-61 |
| 4-33   | Instrument panel assembly, removal and installation .....                                                     | 4-63 |
| 4-34   | Instrument panel controls, instruments, and gauges, removal and installation<br>(sheet 1 of 7) .....          | 4-65 |
| 4-34   | Instrument panel controls, instruments, and gauges, removal and installation<br>(sheet 2 of 7) .....          | 4-67 |
| 4-34   | Instrument panel controls, instruments, and gauges, removal and installation<br>(sheet 3 of 7) .....          | 4-69 |
| 4-34   | Instrument panel controls, instruments, and gauges, removal and installation<br>(sheet 4 of 7) .....          | 4-71 |
| 4-34   | Instrument panel controls, instruments, and gauges, removal and installation<br>(sheet 5 of 7) .....          | 4-73 |
| 4-34   | Instrument panel controls, instruments, and gauges, removal and installation<br>(sheet 6 of 7) .....          | 4-75 |
| 4-34   | Instrument panel controls, instruments, and gauges, removal and installation<br>(sheet 7 of 7) .....          | 4-77 |
| 4-35   | Safety switches, removal and installation (sheet 1 of 2) .....                                                | 4-79 |
| 4-35   | Safety switches, removal and installation (sheet 2 of 2) .....                                                | 4-81 |
| 4-36   | Instrument panel vibration mounts, removal and installation.....                                              | 4-82 |
| 4-37   | Speed control linkage adjustment .....                                                                        | 4-84 |
| 5-1    | Air line schematic diagram.....                                                                               | 5-10 |
| 5-2    | Compressor oil cycle schematic diagram .....                                                                  | 5-12 |
| 5-3    | Fuel system schematic diagram.....                                                                            | 5-13 |
| 5-4    | Compressor oil separator assembly, removal and installation .....                                             | 5-20 |
| 5-5    | Blowdown valve assembly, removal and installation .....                                                       | 5-21 |
| 5-6    | Air compressor assembly, removal and installation .....                                                       | 5-22 |
| 5-7    | Engine assembly, removal and installation.....                                                                | 5-24 |
| 6-1    | Oil separator assembly, disassembly and reassembly .....                                                      | 6-2  |
| 6-2    | Minimum pressure valve assembly, disassembly and reassembly.....                                              | 6-4  |
| 6-3    | Oil separator element, removal and installation .....                                                         | 6-5  |
| 6-4    | Blowdown valve assembly, disassembly and reassembly .....                                                     | 6-7  |
| 6-5    | Air pressure regulator assembly, disassembly and reassembly .....                                             | 6-9  |

## LIST OF ILLUSTRATIONS - Continued

| Number | Title                                                                          | Page |
|--------|--------------------------------------------------------------------------------|------|
| 6-6    | Oil filter-thermal bypass valve assembly, removal and installation.....        | 6-11 |
| 6-7    | Oil filter-thermal bypass valve assembly, disassembly and reassembly .....     | 6-12 |
| 6-8    | Air compressor assembly, disassembly and reassembly .....                      | 6-15 |
| 6-9    | Drive end cover-rotor, disassembly and reassembly.....                         | 6-17 |
| 6-10   | Compressor non-drive end, disassembly, blade inspection, and reassembly .....  | 6-20 |
| 6-11   | Rotor blade inspection .....                                                   | 6-21 |
| 6-12   | Fuel tank, removal and installation .....                                      | 6-23 |
| 7-1    | Alternator assembly, disassembly and reassembly.....                           | 7-2  |
| 7-2    | Checking rotor winding.....                                                    | 7-3  |
| 7-3    | Diode trio check.....                                                          | 7-4  |
| 7-4    | Rectifier bridge check.....                                                    | 7-5  |
| 7-5    | Checking stator windings .....                                                 | 7-5  |
| 7-6    | Drive end bearing assembly .....                                               | 7-6  |
| 7-7    | Alternator bench testing .....                                                 | 7-7  |
| 7-8    | Grounding alternator field winding .....                                       | 7-8  |
| 7-9    | Starting motor assembly, no-load test setup .....                              | 7-9  |
| 7-10   | Starting motor assembly, disassembly and reassembly .....                      | 7-10 |
| 7-11   | Removing retainer from snap ring .....                                         | 7-11 |
| 7-12   | Solenoid checking test setup .....                                             | 7-12 |
| 7-13   | Installing clutch and drive assembly retainer and snap ring .....              | 7-13 |
| 7-14   | Checking pinion clearance .....                                                | 7-14 |
| 7-15   | Fuel injection pump, removal and installation (sheet 1 of 3) .....             | 7-16 |
| 7-15   | Fuel injection pump, removal and installation (sheet 2 of 3) .....             | 7-17 |
| 7-15   | Fuel injection pump, removal and installation (sheet 3 of 3).....              | 7-18 |
| 7-16   | Fuel injection pump, disassembly and reassembly .....                          | 7-19 |
| 7-17   | Leaf spring, shoes, and rollers, assembly .....                                | 7-24 |
| 7-18   | Roller-to-roller dimension setting.....                                        | 7-24 |
| 7-19   | Cam ring and weight retainer, assembly .....                                   | 7-24 |
| 7-20   | Delivery valve and rotor retainer, assembly .....                              | 7-25 |
| 7-21   | Transfer pump liner and blades, assembly.....                                  | 7-25 |
| 7-22   | End plate, assembly .....                                                      | 7-26 |
| 7-23   | Governor arm, assembly .....                                                   | 7-26 |
| 7-24   | Hydraulic head and rotor, assembly .....                                       | 7-27 |
| 7-25   | Metering valve and spring, assembly.....                                       | 7-27 |
| 7-26   | Governor springs and hook, assembly .....                                      | 7-28 |
| 7-27   | Throttle shaft and lever, assembly.....                                        | 7-28 |
| 7-28   | Linkage adjustment .....                                                       | 7-29 |
| 7-29   | Armature and spring tension adjustment.....                                    | 7-30 |
| 7-30   | Bench test mounting .....                                                      | 7-31 |
| 7-31   | Fuel line connections, test setup.....                                         | 7-31 |
| 7-32   | Test stand operation .....                                                     | 7-32 |
| 7-33   | Water pump and fan assembly, disassembly and reassembly .....                  | 7-34 |
| 7-34   | Water pump impeller, installation .....                                        | 7-36 |
| 7-35   | Rocker arm, cylinder head, and valve assemblies, disassembly and reassembly .. | 7-38 |
| 7-36   | Rocker arm, spacer locations .....                                             | 7-40 |
| 7-37   | Rocker arm shaft, oil hole position.....                                       | 7-40 |
| 7-38   | Valve guide, installation.....                                                 | 7-43 |
| 7-39   | Valve reseating dimensions .....                                               | 7-43 |
| 7-40   | Cylinder head nuts, tightening sequence and torque values .....                | 7-45 |
| 7-41   | Oil pan and adapters, removal and installation .....                           | 7-46 |
| 7-42   | Tachometer drive and overspeed switch drive, removal and installation .....    | 7-48 |

**LIST OF ILLUSTRATIONS - Continued**

| Number | Title                                                                           | Page |
|--------|---------------------------------------------------------------------------------|------|
| 7-43   | Oil pump assembly, disassembly and reassembly.....                              | 7-49 |
| 7-44   | Oil pump drive gear, installation.....                                          | 7-50 |
| 7-45   | Oil pressure regulator, installation.....                                       | 7-50 |
| 7-46   | Flywheel and bellhousing, disassembly and reassembly.....                       | 7-52 |
| 7-47   | Indicating flywheel pilot bore.....                                             | 7-53 |
| 7-48   | Indicating flywheel face.....                                                   | 7-53 |
| 7-49   | Gear housing, cover, and timing gears, disassembly and reassembly.....          | 7-55 |
| 7-50   | Aligning drive gear timing marks.....                                           | 7-57 |
| 7-51   | Thrust plate mounting bolts, removal and installation.....                      | 7-58 |
| 7-52   | Camshaft and thrust plate, removal and installation.....                        | 7-58 |
| 7-53   | Camshaft and bearings, removal and installation.....                            | 7-59 |
| 7-54   | Adjusting camshaft end play.....                                                | 7-60 |
| 7-55   | Piston, piston rings, and connecting rod assembly, disassembly and reassembly.. | 7-61 |
| 7-56   | Piston and connecting rod, removal.....                                         | 7-61 |
| 7-57   | Piston ring installation.....                                                   | 7-62 |
| 7-58   | Piston installation.....                                                        | 7-63 |
| 7-59   | Checking connecting rod bearing clearance.....                                  | 7-64 |
| 7-60   | Crankshaft and main bearings, removal and installation.....                     | 7-65 |
| 7-61   | Upper main bearings, removal and installation.....                              | 7-66 |
| 7-62   | Checking crankshaft end thrust.....                                             | 7-69 |
| 7-63   | Cylinder block, disassembly and reassembly.....                                 | 7-70 |

**LIST OF TABLES**

| Number | Title                                                                                         | Page |
|--------|-----------------------------------------------------------------------------------------------|------|
| 1-1    | Torque Data.....                                                                              | 1-7  |
| 2-1    | Freezing points, composition, and specific gravities of<br>Military antifreeze materials..... | 2-4  |
| 3-1    | Operator/Crew preventive maintenance checks and services.....                                 | 3-8  |
| 3-2    | Operator/Crew troubleshooting.....                                                            | 3-19 |
| 4-1    | Organizational preventive maintenance checks and services.....                                | 4-4  |
| 4-2    | Organizational troubleshooting.....                                                           | 4-12 |
| 5-1    | Direct and General Support troubleshooting.....                                               | 5-2  |
| 5-2    | Repair and replacement standards.....                                                         | 5-14 |
| 7-1    | Crankshaft journal and crankpin dimensions.....                                               | 7-67 |
| 7-2    | Cylinder bore dimensions.....                                                                 | 7-72 |
| 7-3    | Cylinder stud installation.....                                                               | 7-73 |

## CHAPTER 1

## INTRODUCTION

## Section I. GENERAL

**1-1. Scope.** This manual is for your use in operating and maintaining the skid mounted, diesel engine driven, rotary air compressor, model 6M125.

**1-2. Maintenance Forms and Records.** Maintenance forms and records that you are required to use are explained in DA Pam 738-750.

**1-3. Hand Receipt.** Hand receipt for the End Item/Component of End Item (COEI), Basic Issue Items (BII) and Additional Authorization List (AAL) Items are published in a Hand Receipt Manual. The Hand Receipt Manual numerical designation is the same as the related Technical Manual with the letters HR added to the number. These manuals are published to aid in property accountability and are available through: Commander, U.S. Army Adjutant General Publications Center, ATTN: AGDL-OD, 1655 Woodson Road, St. Louis, MO 63114.

**1-4. Equipment Serviceability Criteria (ESC).** This equipment is not covered by an ESC.

**1-5. Destruction of Army Materiel to Prevent Enemy Use.** For instructions covering the destruction of Army materiel to prevent enemy use, refer to TM 750-244-3.

**1-6. Administrative Storage.**

a. Placement of equipment in administrative storage should be for short periods of time when a

shortage of maintenance effort exists. Items should be in mission readiness within 24 hours or within the time factors as determined by the directing authority. During the storage period appropriate maintenance records will be kept.

b. Before placing equipment in administrative storage, current maintenance services and equipment serviceable criteria (ESC) evaluations should be completed, shortcomings and deficiencies should be corrected, and all modification work orders (MWO's) should be applied.

c. Storage site selection. Inside storage is preferred for items selected for administrative storage. If inside storage is not available, trucks, vans, conex containers and other containers may be used.

**1-7. Reporting Equipment Improvement Recommendations (EIR).** If your compressor needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design or performance. Put it on an SF 368 (Product Quality Deficiency Report). Mail it to us at Commander, U.S. Army Troop Support Command, ATTN: AMSTR-QS, St. Louis, MO 63120-1798. We will send you a reply.

## Section II. DESCRIPTION AND DATA

**1-8. Description.**

a. The air compressor unit is a skid mounted, diesel engine driven, sliding blade type, rotary air compressor. The unit supplies compressed air at the rate of 125 cubic feet per minute (CFM) (3.5 M3/MIN) at a discharge pressure of 100 pounds per square inch (PSI) (7 kPa). You will find identifying views of the unit in figures 1-1 and 1-2.

b. The compressor unit is enclosed in a sheet metal housing fastened to a welded steel skid frame. The unit is self-contained and capable of continuous operation, under normal conditions, for a period of 8 hours without refueling. The unit is designed to supply compressed air for general construction work in conjunction with pneumatic tools and other equipment.

c. The maintenance paragraphs of this manual contain detailed descriptions of the unit components.

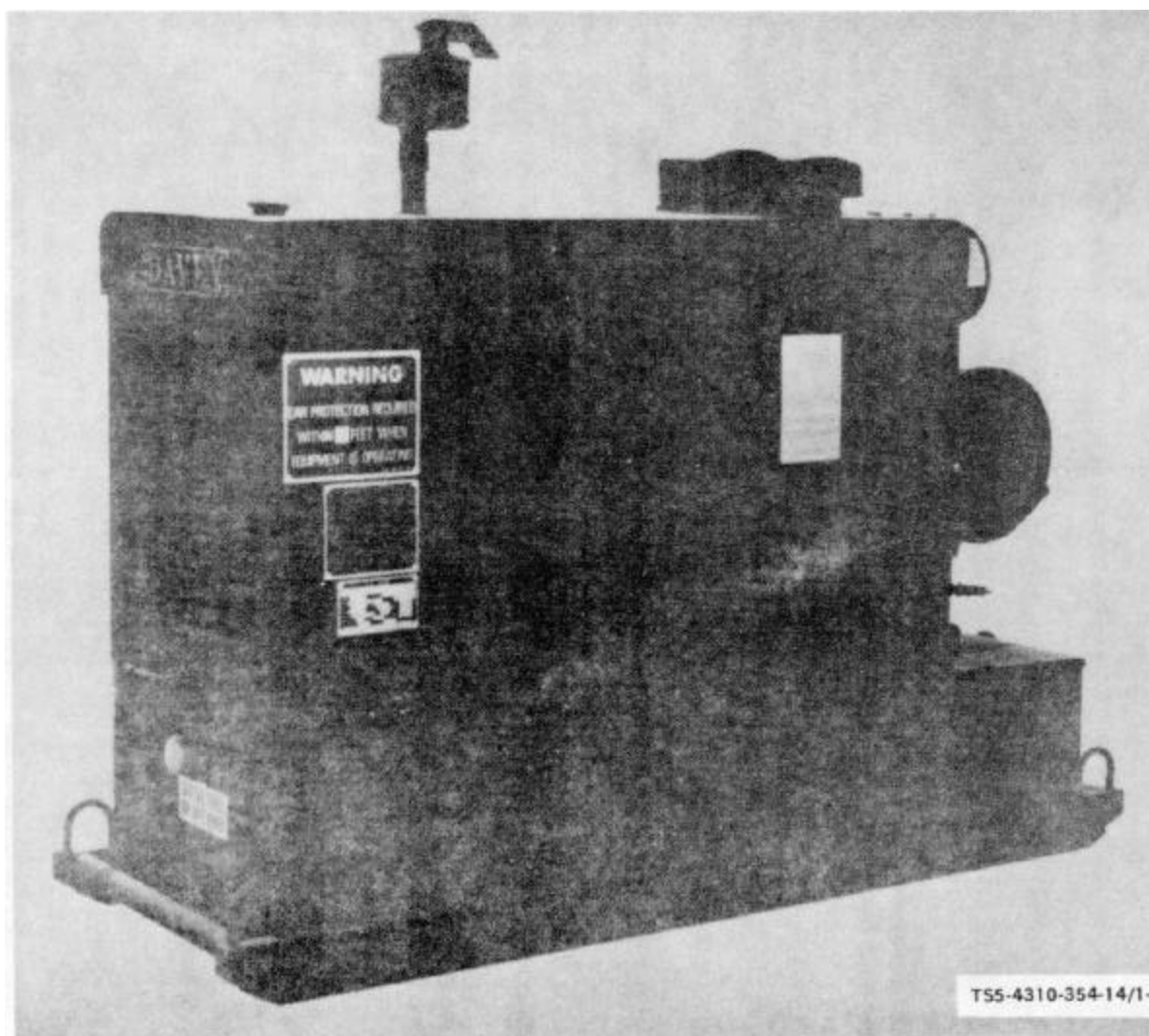


Figure 1-1. Model 6M125 rotary air compressor skid, left front, three-quarter view.