

TECHNICAL MANUAL

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

**COMPRESSOR, ROTARY AIR; DIESEL ENGINE DRIVEN;
250 CFM, 100 PSI; TRAILER MOUNTED, TWO WHEEL
(DAVEY MODEL 14M250RPV)**

FSN 4310-256-9319

COMPONENT OF PNEUMATIC TOOL AND

COMPRESSOR OUTFIT,

FSN 3820-950-8584

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CHAPTER 1

INTRODUCTION

Section i. GENERAL

1-1. Scope

a. This manual is published for the use of the personnel to whom the Rotary Air Compressor is issued. Chapters 1 through 4 provide information on the operation, operator's maintenance, and organizational maintenance instructions of the equipment, accessories, components, and attachments. Chapter 5 provides direct support and general support maintenance instructions beyond authorized operator and organizational levels. Chapter 6 provides repair of the Rotary Air Compressor. Chapter 7 provides maintenance of materiel used in conjunction with the Rotary Air Compressor, as applicable.

b. Refer to TM 740-90-1 for Administrative Storage.

1-2. Forms and Records

Maintenance forms, records, and reports which are to be used by maintenance personnel at all

maintenance levels are listed in and prescribed by TM 38-750.

1-3. Equipment Serviceability Criteria (ESC)
This equipment is not covered by an ESC.

1-4. Reporting of Errors

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 Publications) and forwarded direct to Commanding General, U. S. Army Mobility Equipment Command, ATTN: AM AMSME-MPP, 4300 Goodfellow Blvd., St. Louis, Missouri 63120.

1-5. Destruction of Army Materiel to Prevent Enemy Use

Instructions for the destruction of Army materiel to prevent enemy use are provided in TM750-244-3.

Section ii. DESCRIPTION AND DATA

1-6. Description

a. The air compressor unit is a trailer mounted, two-wheel pneumatic tired, diesel engine driven, sliding blade type, rotary air compressor. The unit supplies 250 cubic feet of air per minute (CFM) at a discharge pressure of 100 pounds per square inch (PSI). (fig. 1-1 and 1-2).

b. The compressor unit is enclosed in a sheet metal housing fastened to a welded frame. This unit is then fastened to the two-wheel trailer. The trailer

has an air brake system operated from the towing vehicle. When the unit is parked, the brakes are set manually using the hand lever provided. The compressor unit is self-contained and capable of continuous operation, under normal conditions, for a period of eight hours without refueling. The unit is employed for general construction work in conjunction with pneumatic tools and other equipment.

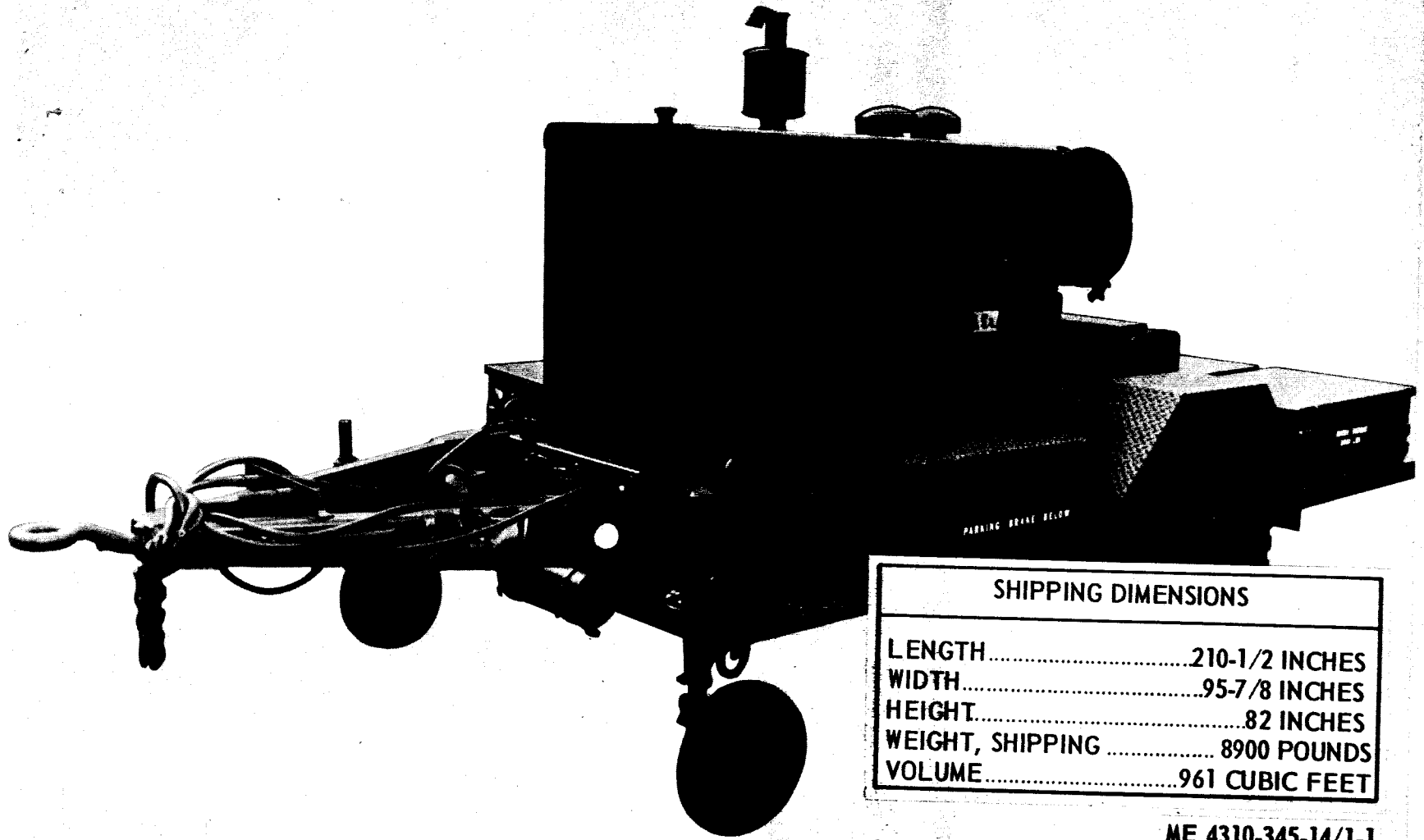


Figure 1-1. Model 14M250RPV Rotary Air Compressor, left front, three-quarter view.