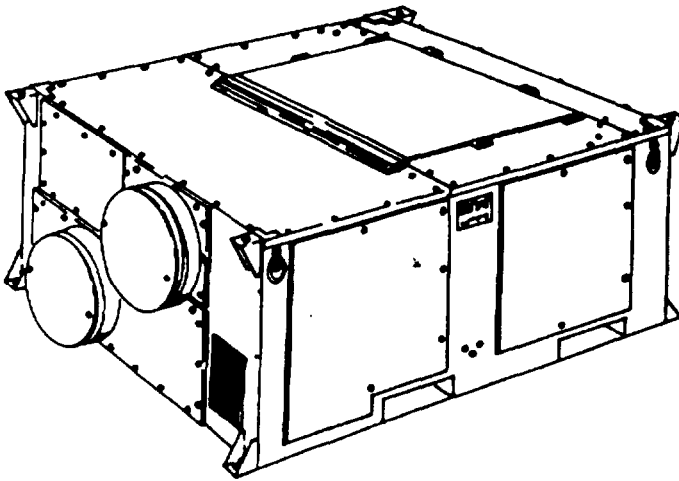


TECHNICAL MANUAL

OPERATOR, UNIT, DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE MANUAL



AIR CONDITIONER
54,000 BTU/HR
208/230 VOLT, THREE PHASE,
50/60 HERTZ, MODEL AH-54

NSN 4120-01-283-4096

Approved for public release; distribution is unlimited.

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REPORTING OF ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes 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, AMSTR-MMTS, 4300 Goodfellow Boulevard, St. Louis, Missouri 63120-1798. A reply will be furnished to you.

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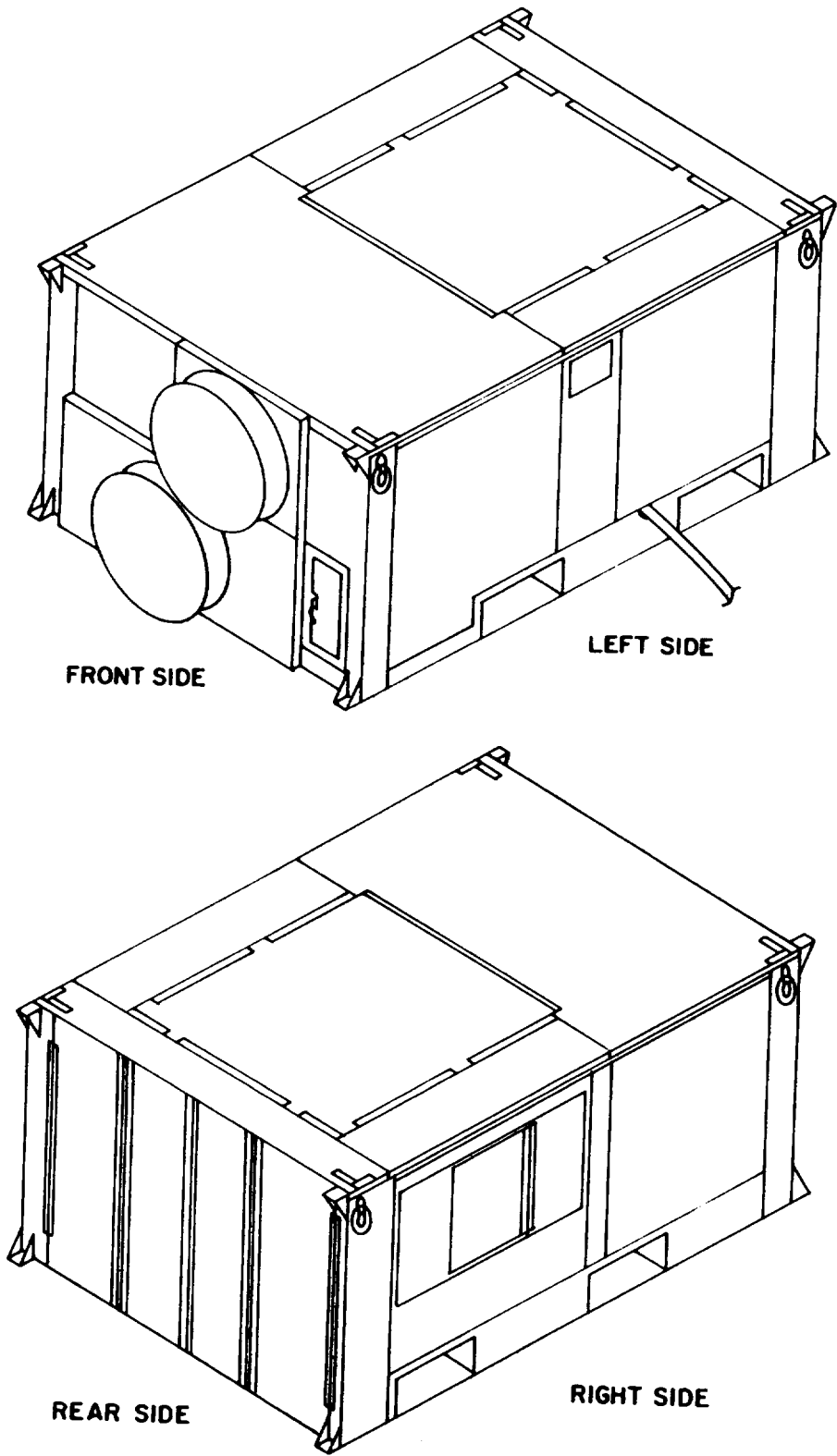


Figure 1-1. Air Conditioner

CHAPTER 1

INTRODUCTION

Section I. GENERAL INFORMATION

1-1. SCOPE

- a. Type of Manual. Operator's, Unit, Direct Support, and General Support Maintenance Manual.
- b. Model Number and Equipment Name. Airtacs Model AH-54, 54,000 BTU/HR, 208/230 Volt, Three-phase, 50/60 Hertz Air Conditioner.
- c. Purpose of Equipment. Cools, heats, and ventilates enclosed spaces. The unit covered by this manual is designed for cooling and heating air to a desired predetermined range and circulating the conditioned air to provide heating and cooling of equipment or personnel within the conditioned area.

1-2. MAINTENANCE FORMS AND RECORDS. Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA PAM 738-750, The Army Maintenance Management System (TAMMS).

1-3. WARRANTY INFORMATION. Airtacs Corporation warrants products to be free from defects in material and workmanship under normal use and service, and will, within one year from date of original installation, or 18 months from shipping, whichever is first, repair or replace without cost to the original customer any part, assembly or portion thereof which shall be returned to our factory, with prepaid transportation charges and which our inspection shall show to be defective. Under the terms of this warranty, Airtacs Corporation assumes no responsibility for the labor cost involved in removing any defective part or installation of such part, or any service charges. Nor shall Airtacs be liable for any injury, loss or damage (direct, indirect or consequential) arising out of the use or inability to use the product. This warranty is in lieu of all other warranties, expressed or implied.

1-4. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR's). If your Air Conditioner 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 a SF 368 (Quality Deficiency Report). Mail it to us at Commander, U.S. Army Troop Support Command, Attention: AMSTR-MOF, 4300 Goodfellow Boulevard, St. Louis, Missouri 63120-1798. We will send you a reply.

1-5. DESTRUCTION OF ARMY MATERIEL TO PREVENT ENEMY USE. Command decisions, according to tactical situation, will determine when destruction of the air conditioning unit will be accomplished. A destruction plan will be prepared by the using organization, unless one has been prepared by higher authority. For general destruction procedures for this equipment, refer to TM 750-244-3, procedures for Destruction of Equipment to Prevent Enemy Use.