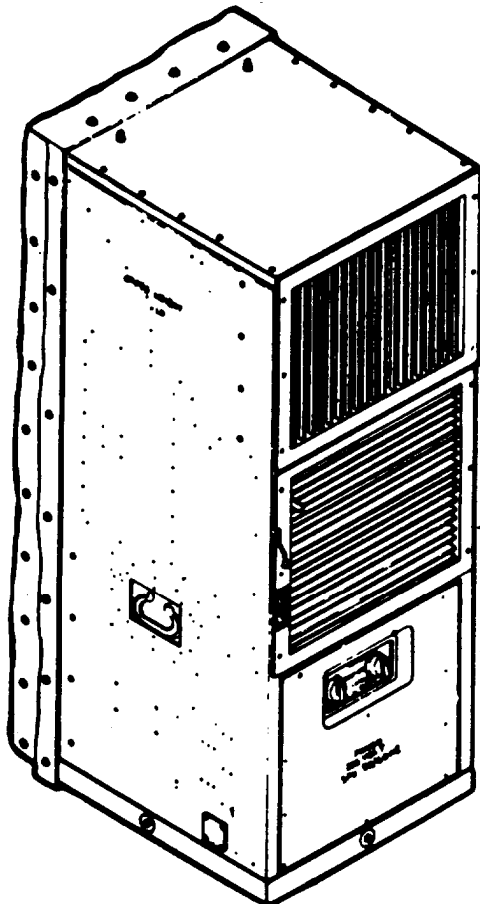


TECHNICAL MANUAL

INTRODUCTION 1

OPERATOR'S, UNIT, DIRECT SUPPORT,
AND GENERAL SUPPORT MAINTENANCE
MANUAL



AIR CONDITIONER, VERTICAL, COMPACT,
18,000 BTU/HR
208 VOLT, 3 PHASE, 50/60 HERTZ
KECO MODEL F18T-2S
(4120-01-114-2471)
KECO MODEL F18T-2SA
(4120-01-329-1515)
A.R.E. MODEL CVP-20-5/6-08
(4120-01-216-1151)

OPERATING INSTRUCTIONS 2

OPERATOR'S
MAINTENANCE INSTRUCTIONS 3

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Approved for public release; distribution is unlimited.

This manual supersedes TM 5-4120-371 -14, 4 June 1982.

HEADQUARTERS, DEPARTMENT OF THE ARMY
30 SEPTEMBER 1991

TECHNICAL MANUAL

TM 9-4120-371-14

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C. 30 SEPTEMBER 1991

**OPERATOR'S, UNIT
DIRECT SUPPORT, AND GENERAL SUPPORT
MAINTENANCE MANUAL
FOR
AIR CONDITIONER, VERTICAL, COMPACT,
18,000 BTU/HR, 208-VOLT, 3 PHASE, 50/60 HERTZ
KECO MODELS F18T-2S NSN 4120-01-114-2471
AND F18T-2SA NSN 4120-01-329-1515,
AND A.R.E. MODEL CVP-20-5/6-08 NSN 4120-01-216-1151**

Approved for public release; distribution is unlimited.

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of away 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 directly to: US Army Troop Support Command, ATTN: AMSTR-MMTS, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. A reply will be furnished to you.

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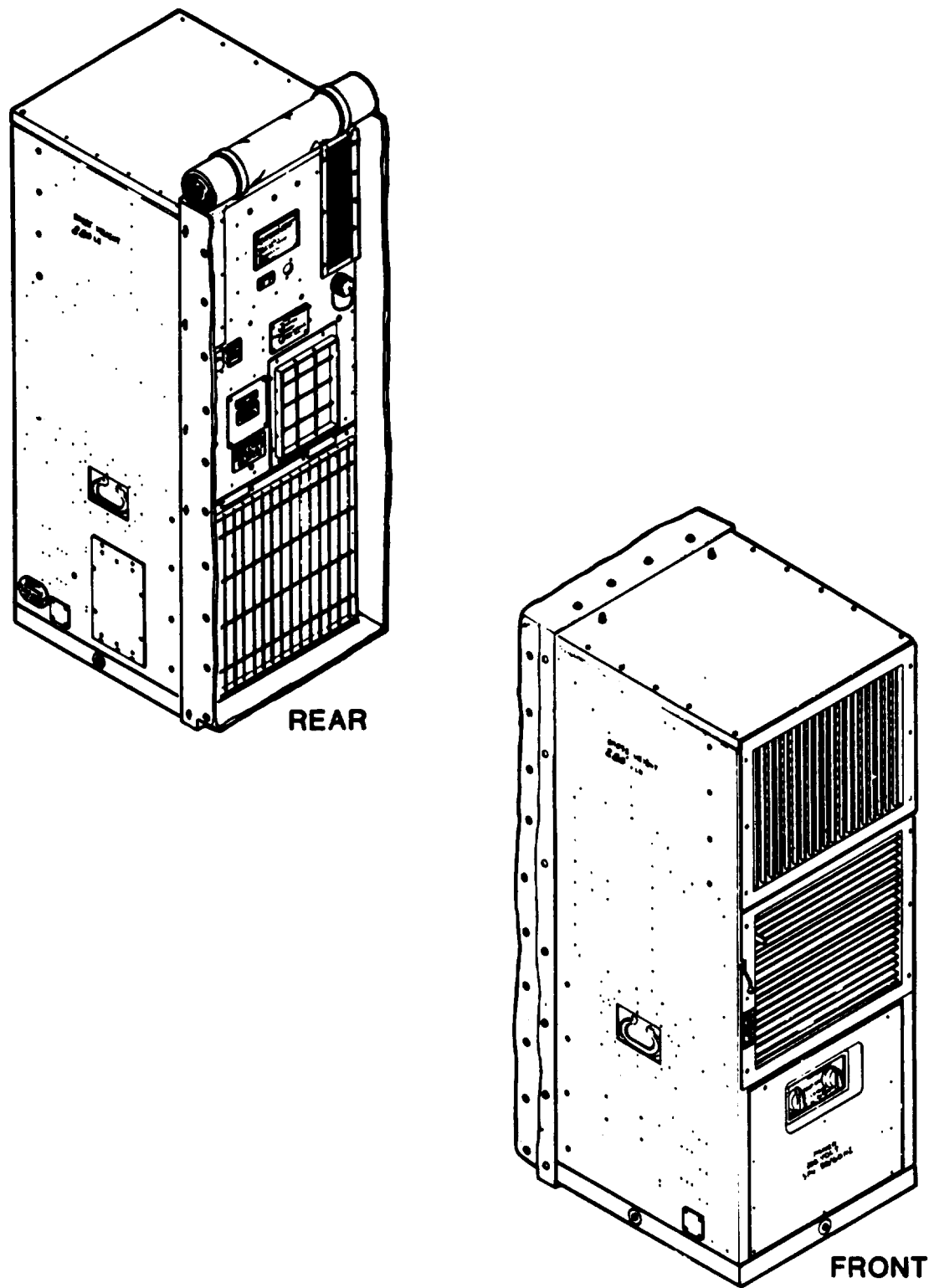


Figure 1-1. Air Conditioner

CHAPTER 1

INTRODUCTION

Section I GENERAL INFORMATION

1-1. SCOPE

- a. Type of Manual. Operators, Organizational, Direct Support, and General Support Maintenance Manual.
- b. Model Number and Equipment Name. Keco Models F18T-2S and F18T-2SA, and A.R.E. Model CVP-20-5/6-08 Vertical, Compact, 18,000 BTU/HR, 208 Volt, 3 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. HAND RECEIPT MANUAL

This manual has a companion document with a TM number followed by HR (which stands for Hand Receipt). The TM 9-4120-371-14–HR consists of preprinted hand receipts (DA Form 2062) that list end item related equipment (i.e., COEI, BII, and AAL) you must account for. As an aid to property accountability, additional -HR manuals may be requisitioned from the following source in accordance with procedures in Chapter 3, AR 310-2:

The US Army Adjutant General Publications Center
ATTN: AGLD-OD
2800 Eastern Blvd.
Baltimore, MD 21220

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, ATTN: AMSTR-MOF, 4300 Goodfellow Boulevard, St. Louis, MO 631 20–1798. 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.

1-6. PREPARATION FOR STORAGE OR SHIPMENT

Contact Unit maintenance for air conditioning unit preparation for storage or shipment.