

ARMY *TM 9-4120-370-14

AIR FORCE T.O. 35E9-229-1

TECHNICAL MANUAL

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

AIR CONDITIONER, VERTICAL, COMPACT

36,000 BTU COOLING,

28,600 BTU/HR HEATING

208 VOLT, 3 PHASE, 400 HERTZ

KECO MODEL F36T4-2S 4120-01-110-2034

208 VOLT, 3 PHASE, 400 HERTZ

KECO MODEL F36T4-2SA 4120-01-222-9310

208 VOLT, 3 PHASE, 50/60 HERTZ

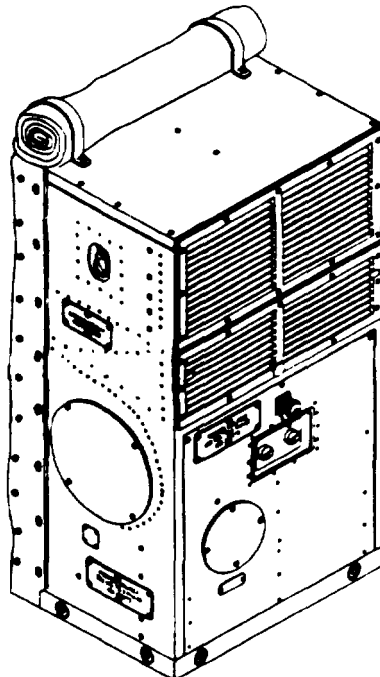
KECO MODEL F36T-2S 4120-01-222-6438

208 VOLT, 3 PHASE, 50/60 HERTZ

KECO MODEL F36T-2SA 4120-01-332-7640

208 VOLT, 3 PHASE, 400 HERTZ

KECO MODEL F36T4-2SB 4120-01-347-6849



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DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

- This manual supersedes TM 5-4120-370-14, dated 16 March 1983.

HEADQUARTERS, DEPARTMENTS OF THE ARMY AND AIR FORCE
31 AUGUST 1993

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TM 9-4120-370-14

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WASHINGTON, D.C., 31 AUGUST 1993

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REPORTING 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 directly to: Commander, US Army Aviation and Troop Command, ATTN: AMSAT-I-MP, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. You may also submit your recommended changes by E-mail directly to <daf2028@st-louis-emh7.army.mil>. A reply will be furnished directly to you.

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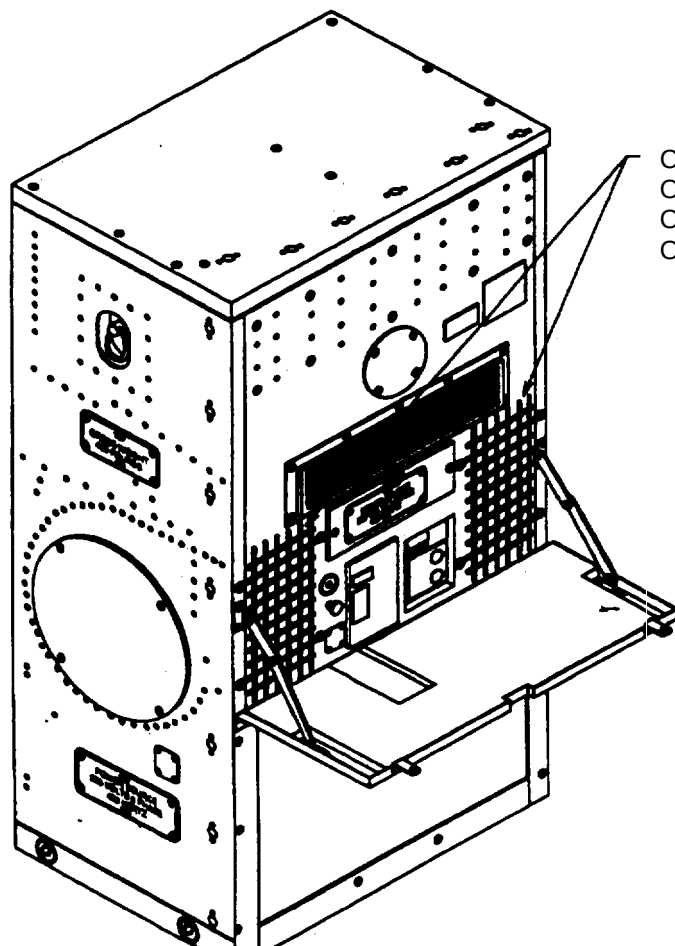
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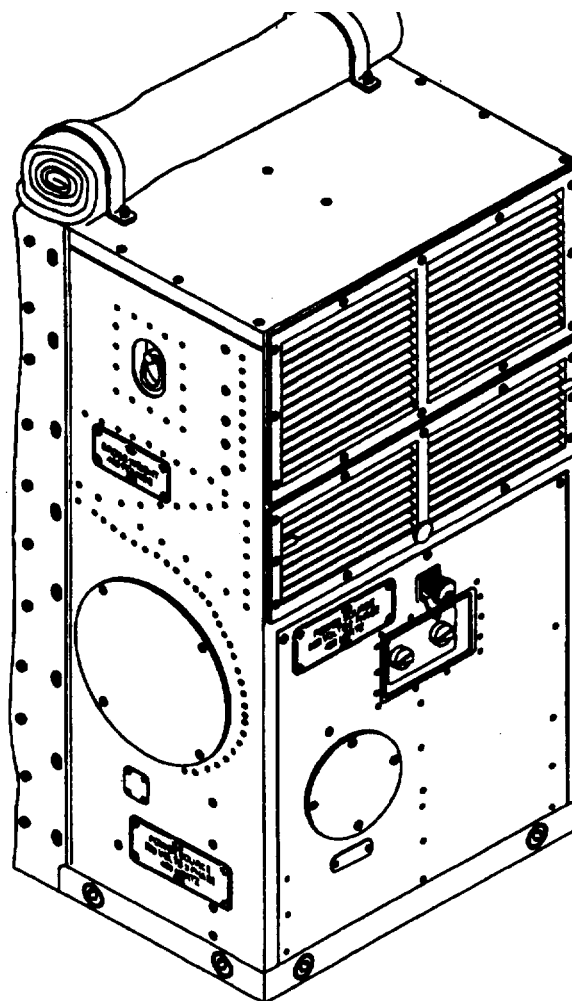
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CONDENSER AIR OUTLET SCREENS ARE USED ON MODELS F36T-2S, F36T4-2S, AND F36T4-2SA ONLY. VERTICAL DAMPER BLADES ARE VISIBLE ON OTHER MODELS.

AIR CONDITIONER-REAR
AND RIGHT SIDE VIEW
(WITH FABRIC COVER REMOVED
AND I CONDENSER DISCHARGE
AIR DEFLECTOR DOOR OPEN)

* NOTE: THE CONDENSER DISCHARGE AIR
DEFLECTOR DOOR WAS NOT USED ON
MODELS F36T-2S, F36T4-2S, F36T4-2SA



AIR CONDITIONER - FRONT
AND LEFT SIDE VIEW

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 Numbers and Equipment Names:

Keco Model F36T4-2S, Vertical, Compact. 36,000 BTU/HR Cooling, 28,600 BTU/HR Heating, 208 Volt, 3 Phase, 400 Hertz, Air Conditioner.

Keco Model F36T4-2SA, Vertical, Compact, 36,000 BTU/HR Cooling, 28,600 BTU/HR Heating, 208 Volt, 3 Phase, 400 Hertz, Air Conditioner.

Keco Model F36T-2S, Vertical, Compact, 36,000 BTU/HR Cooling, 28,600 BTU/HR Heating, 208 Volt, 3 Phase, 50/60 Hertz, Air Conditioner.

Keco Model F36T-2SA, Vertical, Compact, 36,000 BTU/HR Cooling, 28,600 BTU/HR Heating, 208 Volt, 3 Phase, 50/60 Hertz, Air Conditioner.

Keco Model F36T4-2SB, Vertical, Compact, 36,000 BTU/HR Cooling, 28,600 BTU/HR Heating, 208 Volt, 3 Phase, 400 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). Air Force Personnel will use AFR 66-1 for maintenance reporting and TO-00-35D-54 for unsatisfactory equipment reporting.

1-3. HAND RECEIPT MANUAL

This manual has a companion document with a TM number followed by -HR (which stands for Hand Receipt). The TM5-4120-370-14-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 31 O-2:

The US Army Adjutant General Publications Center
ATTN: AGLD-OD
2800 Eastern Blvd.
Baltimore, MD 21220-2896

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 SF368 Quality Deficiency Report. Mail it to us at Commander, Headquarters, U.S. ARMY AVIATION AND TROOP COMMAND, Attention: AMSAT-I-MDO, 4300 Goodfellow Blvd., St. Louis, Missouri 63120-1798. We will send you a reply.

Air Force Personnel are encouraged to submit EIR's in accordance with Air force Suggestion Program AFR900-4.