

TECHNICAL MANUAL

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

AIR CONDITIONER, 24,000 BTU
ELECTRIC MOTOR DRIVEN
208 V, 3-PHASE, 50/60 HZ,
5 WIRE



MODEL - MOAC 226
NSN 4120-01-158-7465

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This manual supersedes TM 5-4120-380-14, dated 6 October 1989

TECHNICAL MANUAL
NO 9-4120-380-14

HEADQUARTERS, DEPARTMENTS OF THE
ARMY, AIR FORCE AND NAVY
WASHINGTON, D.C., 30 JUINE 1993

Operator's, Unit, Direct Support and
General Support Maintenance Manual

AIR CONDITIONER, 24,000 BTU
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5 WIRE
DOD MODEL - MOAC 226
NSN 4120-01-158-7465

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

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 directly to- Commander, U.S. Army Aviation and Troop Command, ATTN-AMSAT-I-MP, 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798. A reply will be furnished directly to you.

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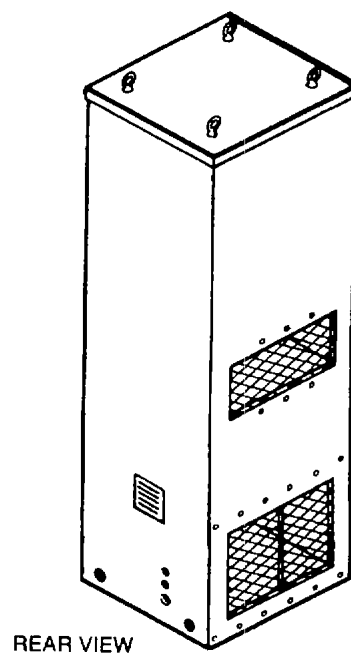
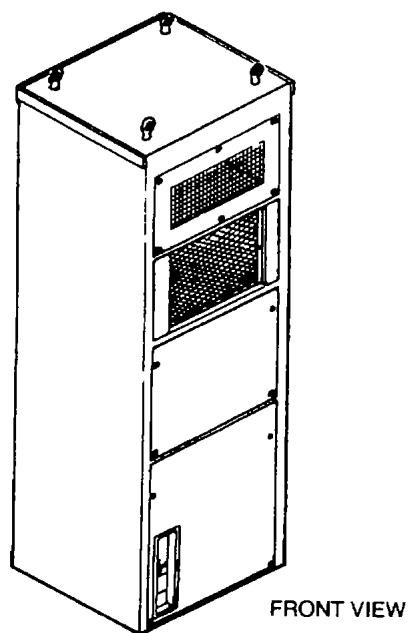


Figure 1-0. MOAC 24,000 Btu Air Conditioner

CHAPTER 1

INTRODUCTION

Section I. GENERAL INFORMATION

1.1 SCOPE. This manual is for use by personnel responsible for the operation and maintenance of the MOAC 226 air conditioner

1.1.1 Type of Manual. Operator, Unit, Direct Support and General Support Maintenance Manual.

1.1.2 Model Number and Equipment Name. Elhs and Watts Corporation, model MOAC 226, 24,000 Btu/hr Cooling, 17,075 Btu/hr Heating, 208 volt, 3-phase, 50/60 Hertz air conditioner.

1.1.3 Purpose of Equipment. The air conditioner is designed for cooling and heating air to a desired predetermined range and for circulating the conditioned air to provide heating and cooling of equipment and/or personnel within the conditioned area.

1.2 MAINTENANCE FORMS, RECORDS, AND REPORTS. Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DAPAM 738-750, The Army Maintenance Management System (TAMMS). Air Force personnel will use AFR 66-1 for maintenance reporting and TO 00-35D54 for unsatisfactory equipment reporting Navy personnel will report maintenance performed utilizing the Maintenance Data Collection Subsystem (MDCS), IAW OPNAVINST 4790 2, Vol. 3, and unsatisfactory material/conditions (UR submissions) IAW OPNAVINST 4790 2, Vol. 2, Chapter 17.

1.3 REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR)

1.3.1 Army. 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 do not like about your equipment. Let us know why you do not like the design or performance Put it on an SF 368 (Product Quality Deficiency Report) Mail it to: Commander, U S Army Aviation and Troop Command, ATN AMSAT-I-MDO, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. We will send you a reply.

1.3.2 Air Force. Air Force personnel are encouraged to submit EIRs in accordance with AFR 900-4.

1.3.3 Navy. Navy personnel are encouraged to submit EIRs through their local Beneficial Suggestion Program.

1.4 WARRANTY INFORMATION. The air conditioner, model MOAC 226, is warranted by Ellis and Watts Corporation for a period of one year from date of shipment when properly installed. Warranty starts on the date found in block 23 of DA Form 2408-9 in the logbook. Report all defects in material or workmanship to your supervisor who will take appropriate action.

1.5 LIST OF ABBREVIATIONS.

CBR	Chemical, biological, radiological hazard
CGV	Compound gage valve
EIR	Equipment Improvement recommendation
EMI	Electromagnetic interference
CV	Charging valve
MAC	Maintenance allocation chart