

TM 5-4110-204-13

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

OPERATOR'S, ORGANIZATIONAL AND DIRECT SUPPORT MAINTENANCE MANUAL (INCLUDING REPAIR PARTS LIST)

REFRIGERATOR PREFABRICATED; PANEL TYPE; W/O
REFRIGERATING EQUIPMENT; MILITARY SPECIFICATIONS
MIL-R-10932

TYPE 1, CLASS I AND II

600 CU FT, FSN 4110-269-5096
1200 CU FT, FSN 4110-926-4159
1800J CU FT, FSN 4110-926-1937

600J CU FT, FSN 4110-926-9544
1800 CU FT, FSN 4110-057-0321
3000 CU FT, FSN 4110-264-6226
4000 CU FT, FSN 4110-269-5071

TYPE II, CLASS I AND II

400 CU FT, FSN 4110-618-8709
800 CU FT, FSN 4110-618-8711
1400 CU FT, FSN 4110-618-8713

600 CU FT, FSN 4110-618-8710
1200 CU FT, FSN 4110-618-8712
1600 CU FT, FSN 4110-618-8714

This copy is a reprint which includes current
pages from Changes I through 10.

HEADQUARTERS, DEPARTMENT OF THE ARMY
14 DECEMBER 1966

TECHNICAL MANUAL }

No. 5-4110-204-13 }

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 14 December 1966**Operator's Organizational, and
Direct Support Maintenance Manual
(Including Repair Parts List)****REFRIGERATOR, PREFABRICATED; PANEL TYPE; W/O
REFRIGERATING EQUIPMENT; MILITARY SPECIFICATIONS
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I 1800J CU FT, FSN 4110-168-1937	3000 CU FT, FSN 4110-2644226
	4000 CU FT, FSN 4110-269-5071

TYPE II, CLASS I AND II

400 CU FT, FSN 4110-618-8709	600 CU FT, FSN 4110-618-8710
800 CU FT, FSN 4110-618-8711	1200 CU FT, FSN 4110-618-8712
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This manual supersedes ITM 5-4110-204-15, 9 June 1963 including all changes; TM 10-4110-203-25P, 8 March 1980; and TM 5-4110-204-25P July 1963 including all changes

CHAPTER 1

INTRODUCTION

Section I. GENERAL

1-1. Scope

a. These instructions are published for use by personnel to whom the panel type refrigerator is issued. They provide information on the operation and maintenance of the equipment. Also included are descriptions of main units and their function in relationship to other components.

b. Appendix A contains a list of publications applicable to this manual. Appendix B contains the list of Items Troop Installed or Authorized for use with the equipment. Appendix C contains the maintenance allocation chart. The organizational maintenance repair parts and special tools are listed in appendix D.

c. Numbers in parentheses on illustrations indicate quantity. Numbers preceding nomenclature callouts on illustrations indicate the preferred maintenance sequence.

d. You can improve this manual by recommending improvements using DA Form 2028 (Recommended Changes to Publications and Blank Forms) or DA Form 2028-2 (Recommended Changes to Equipment Technical Manuals) located in the back of the manual and mail the form direct to Commander, US Army Troop Support Command, ATTN: AMSTS-MPP, 4300 Goodfellow Blvd., St. Louis, MO 63120. A reply will be furnished direct to you.

e. To enable timely and effective evaluation, it is important that complete and comprehensive data be submitted on DA Form 2028, including the reason for submission if that fact is not self-evident.

1-2. Record and Report Forms

For record and report forms applicable to operator, crew and organizational maintenance, refer to TM 38-750.

Section II. DESCRIPTION AND DATA

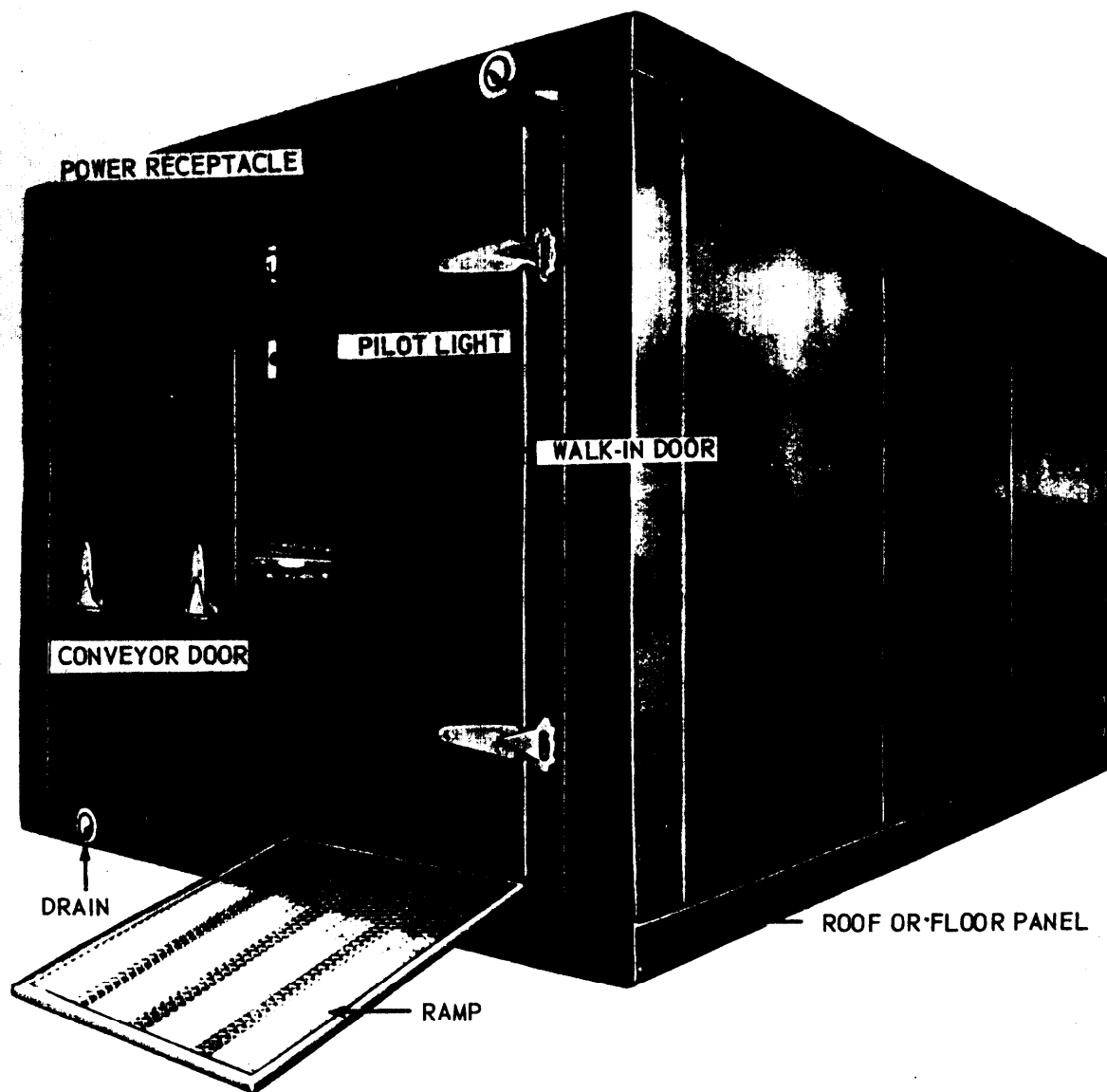
1-3. Description

a. *General.* The prefabricated walk-in refrigerators (fig. 1-1 through 1-4) are assembled from interchangeable panels. There are two types of units: these are Type I and Type II. The Type I refrigerators are 600, 1200, 1800, 3000 and 4000 cubic feet units, while the Type II refrigerators are 400, 600, 800, 1200, 1400, and 1600 cubic feet units. The Type I and Type II refrigerators are of the same construction and differ only in width. The Type I units are three panel or 12 ft. 9 5/8 in. wide, while the Type II units are two panel or 8 ft. 11 23/32 in. wide. All panels with the exception of the roof and floor panels are interchangeable between the two type refrigerators. All prefabricated refrigerators are constructed in accordance with Military Specifica-

tion MIL-R-10932. The 600 cubic feet Type I unit and 400 and 600 cubic feet Type II units are single units while the units larger than 600 cubic feet are divided into compartments.

The Class 1 panels are constructed of a wooden frame with fiber glass insulation and are covered with sheet aluminum on both sides. The Class 2 panels are the same as Class 1 with exception that the exterior skin is steel and the interior skin is zinc coated, and not painted. The 1800J model refrigerators (Urethane) are constructed similar to the Type I Class 1 refrigerators with the addition of polyurethane foam in place of insulation.

b. *Type I, 600 Cubic Feet Unit.* The Type I, 600 cubic feet unit consists of one walk-in door panel with door, one conveyor panel with door,



NOTE: ROOF AND FLOOR PANELS ARE INTERCHANGEABLE

Figure 1-1. Single compartment refrigerator, right-front, three quarter view, 600 cu. ft. capacity.

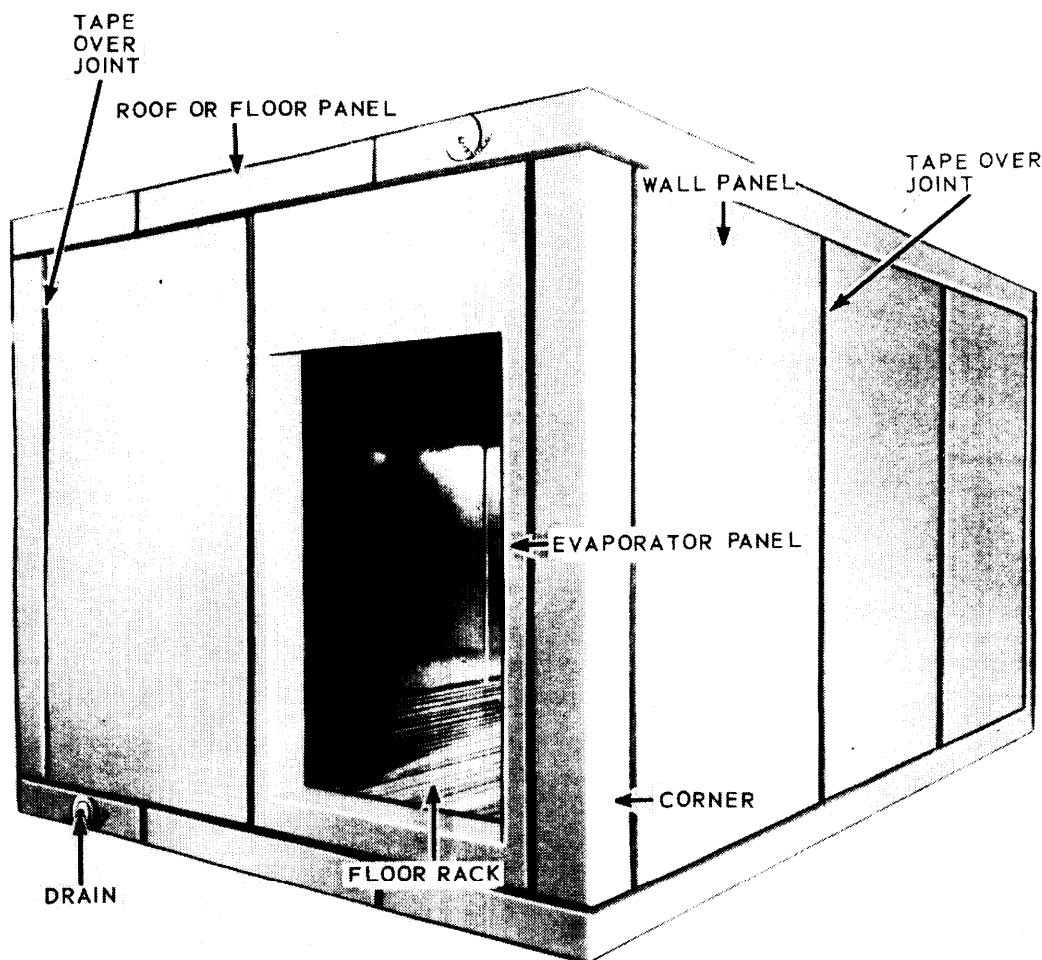
one evaporator panel, seven wall panels, four corner panels, three roof and three floor panels. The roof and floor panels are interchangeable throughout each type-size, and wall panels are interchangeable throughout all types and sizes. This refrigerator is equipped with three hardwood floor racks, four shelving units, a thermometer, outside power receptacle, inside light, an outside indicating light and two floor drains.

NOTE

The conveyor panel with door is optional equipment. When not required, this panel is replaced with an additional standard wall.

c. *Type I, 1200 Cubic Feet Unit.* The Type I, 1200 cubic feet unit is a single compartment refrigerator consisting of one walk-in door with ramp and canopy, one conveyor door, two evaporator panels, five roof panels, five floor panels and four corner panels. This unit is equipped with five hardwood floor racks, nine shelving units, a thermometer, outside power receptacle, inside light, outside indicating light and two floor drains.

d. *Type I, 1800 Cubic Feet Unit.* The Type I, 1800 cubic feet unit is a two compartment refrigerator consisting of two walk-in doors, with ramps, and canopies, two conveyor doors, two evaporator panels,



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Figure 1-2. Single compartment refrigerator, left-rear, three-quarter view, 600 cu. ft. capacity.