

Chapter 25

HOT-CUPBOARD, G.E.C. TYPE H.E.32767

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LEADING PARTICULARS

Hot-cupboard, G.E.C. Type H.E.32767	Ref. No. 5V/63
<i>Element, 24V 150 watt</i>	<i>Ref. No. 5V/66</i>
<i>Voltage</i>	24 volts d.c.
<i>Rating</i>	750 watt
<i>Weight</i>	44 lb.
<i>Overall dimensions</i>	
<i>Height</i>	26 $\frac{3}{4}$ in.
<i>Width</i>	16 $\frac{5}{8}$ in.
<i>Length</i>	14 $\frac{1}{8}$ in.
<i>Control panel</i>	<i>Ref. No. 5V/64</i>
<i>Height</i>	5 $\frac{3}{4}$ in.
<i>Width</i>	4 in.
<i>Length</i>	8 $\frac{7}{8}$ in.
<i>Filament lamps</i>	24V 6 watt

Introduction

1. The Hot-cupboard, G.E.C. Type H.E. 32767 is designed for use with a Control Box (A.M. Ref. No. 5V/64) to maintain the temperature of heated food before serving. It has two separate compartments, each containing three shelves to support the food trays.

DESCRIPTION

2. A general view of the Hot-cupboard is given in fig. 1. It is constructed throughout in 20 gauge aluminium and consists of an outer casing, part of which forms the

electrical panel, and an inner casing separated by 2 inches of Idaglass lagging to retain the heat.

3. Two doors give access to the heating compartment which houses five 150 watt heating elements. A partition divides the heating compartment into two and has 64 $\frac{3}{8}$ inch holes in it to allow the heat to rise from the bottom compartment to the top. Control of the heating elements is via a control box which is separately mounted from the hot-cupboard.

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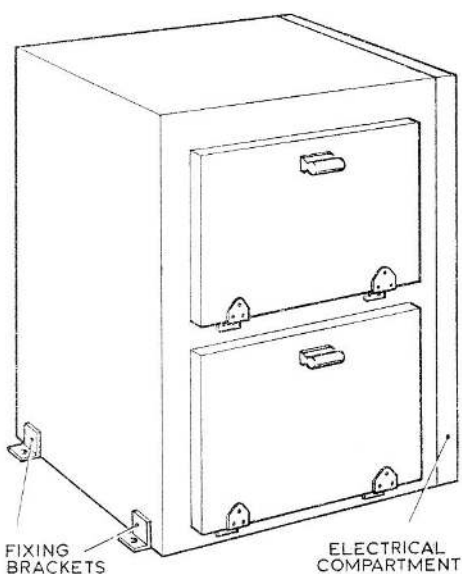


Fig. 1. General view of hot-cupboard

4. A front view of the control box is given in fig. 2. It consists of a 20 gauge aluminium box with 5 double pole on-off switches and 5 warning lamps, mounted on a hinged front panel. Each switch controls one heating element of the hot-cupboard, the associated pilot lamp indicating that the element is switched on.

INSTALLATION

5. The hot-cupboard is mounted vertically and is secured by four fixing lugs which

protrude from the base. The two fixing lugs on the right-hand side of the hot-cupboard are inside the electrical panel and before removal of the fixing bolts, care should be taken that the supplies to the hot-cupboard are switched off.

6. The control box is secured by four bolts, one in each corner of the backplate. Interconnection with the hot-cupboard is by means of five 37 amp. cables.

SERVICING

Hot-cupboard

7. Little servicing is necessary and should be limited to a visual inspection for damage, examination for security of mounting and cable connections; and if necessary renewal of heater elements.

Control box

8. Servicing of the control box is limited to replacing unserviceable filament lamps and switches. Examine the switch and lamp connections, the main supply terminals, and the terminal block connections for security. Examine all cables for damaged insulation.

Insulation resistance test

9. The insulation resistance of the hot-cupboard and control box should be measured using a 250V insulation resistance tester. The reading obtained between each supply terminal and the frame should be not less than 5 megohms.

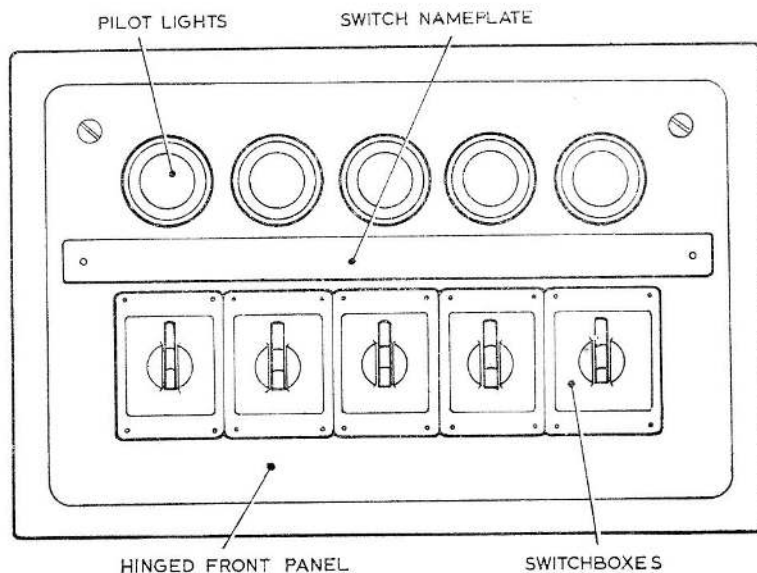


Fig. 2. Front view of control box

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