# **H**SERIES

# turbofan®

# H8T-UC / H8T-FS-UC / H10T / H10T-FS Series

Hot Holding Cabinets (Touch Screen Operation)

Installation and Operation Manual





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### H8T-UC / H8T-FS-UC / H10T / H10T-FS Series

#### Model Numbers Covered in this Manual

H8T-UC	- Turbofan Hot Holding Cabinet - Under Counter, 8 x 1/1 GN / 8 x US Half Size Trays.
H8T-FS-UC	- Turbofan Hot Holding Cabinet - Under Counter, 8 x US Full Size Trays.
H10T	- Turbofan Hot Holding Cabinet - 10 x 1/1 GN / 10 x US Half Size Trays.
H10T-FS	- Turbofan Hot Holding Cabinet - 10 x US Full Size Trays.

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Positioning of Hot Holding Cabinet
Initial Start-Up
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<b>Operation</b> -	<b>Crew M</b>	ode	. 9
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Using Crew Mode Control OFF Control ON Pre-Heating Select Shelf Screen Select Product Load Trays Cancelling Hold Timer Hold Time Expired

Selecting Manager Mode
Control ON
Enter Passcode
Manager Screen #1
Set Hold Temperature
Hold Programming
Pre-Heat Option
Copy Hold Timers To / From USB
Manager Screen #2
Piezo/Buzzer Volume Adiustment
Cook Done Beeper On/Off Setting
Ready Beeper On/Off Setting
Keypress Feedback Enable/Disable
Manager Screen #3
Manager Passcode Protection - Enable/Disable
Screen Brightness Adjust
Screen Auto Dim Settings
Manager Screen #4
Change Passcode
Auto Start Options
System Information
Manager Screen #5
Real Time Setting
Real Date Settings
Language Selection
Temperature Unit Selections °C / °F
Manager Screen #6
Touch Screen Calibration
Cleaning and Maintenance
Fault Finding
Electrical Schematic
Replacement Parts List

Before using your new Holding Cabinet, please read this instruction manual carefully, pay particular attention to any information labelled **'WARNING'**, **'CAUTION'**, **'IMPORTANT'** or **'NOTE'** in this manual.



Indicates a hazardous situation which, if not avoided, will result in death or serious injury.

Indicates a hazardous situation which, if not avoided, will result in minor or moderate injury.

If you are unsure of any aspect of installation, instructions or performance of your Holding Cabinet, contact your TURBOFAN dealer promptly. In many cases a phone call could answer your question.

Should you contact your TURBOFAN dealer on any matter concerning this Holding Cabinet, please have the information provided opposite, readily available. This manual must be kept by the owner for future reference.

A record of *Date of Purchase, Date of Installation* and *Serial Number of Holding Cabinet* should be recorded in area provided below.

The serial number of this Holding Cabinet can be found on the Technical Data Plate located on front right hand side panel, see diagram in 'Installation Section'.

**Model Number:** 

Serial Number:

Dealer:

**Service Provider:** 

**Date Purchased:** 

**Date Installed:** 

#### Safety Information

For your safety, please pay attention to the following symbols marked on the appliance.

#### - Risk of electric shock.



No user serviceable parts inside. Qualified service person access only. Disconnect from power before servicing.

#### H8T-FS-UC Electric Hot Holding Cabinet



#### **Electrical Specifications - H8T-FS-UC**

230V-240V, 50HZ, 1P+N+E, 2.05kW. 208V-240V, 60HZ, 1P+N+E, 2.05kW 220V-240V, 50HZ, 1P+N+E, 2.05kW 220V-240V, 60HZ, 1P+N+E, 2.05 kW

#### Weight:

81kgs (179lbs) (Excluding Baking Trays).

#### **Holding Cabinet Tray Details:**

Tray Size;	Qty 8, $18^{\prime\prime}$ x $26^{\prime\prime}$ US Full Size Pans.
Tray Spacing	74mm / $2^7/_8$ ".

#### **H8T-UC Electric Hot Holding Cabinet**



#### **Electrical Specifications - H8T-UC**

230V-240V, 50HZ, 1P+N+E, 1.3kW. 110V-120V, 60HZ, 1P+N+E, 1.3kW 220V-240V, 50HZ, 1P+N+E, 1.3kW 220V-240V, 60HZ, 1P+N+E, 1.3kW

#### Weight:

65kgs (143lbs) (Excluding Baking Trays).

#### **Holding Cabinet Tray Details:**

Tray Size;	Qty 8, 12" x 20" 1/1 GN Steam Pans.
	Qty 8, US Half Size Sheet Pans.
Tray Spacing	74mm / 2 <sup>7</sup> / <sub>8</sub> ".

#### H10T Electric Hot Holding Cabinet



#### **Electrical Specifications - H10T**

230V-240V, 50HZ, 1P+N+E, 1.3kW. 110V-120V, 60HZ, 1P+N+E, 1.3kW 220V-240V, 50HZ, 1P+N+E, 1.3kW 220V-240V, 60HZ, 1P+N+E, 1.3kW

#### Holding Cabinet Tray Details:

Tray Size;	Qty 10, 12" x 20" 1/1 GN Steam Pans.
	Qty 10, US Half Size Sheet Pans.
Tray Spacing	74mm / 2 <sup>7</sup> / <sub>8</sub> ".

#### Weight:

77.5kgs (171lbs) (Excluding Baking Trays).

#### H10T-FS Electric Hot Holding Cabinet



#### **Electrical Specifications - H10T-FS**

230V-240V, 50HZ, 1P+N+E, 2.05kW. 208V-240V, 60HZ, 1P+N+E, 2.05kW. 220V-240V, 50HZ, 1P+N+E, 2.05kW. 220V-240V, 60HZ, 1P+N+E, 2.05kW.

#### Weight:

88kgs (194lbs) (Excluding Baking Trays).

#### **Holding Cabinet Tray Details:**

Tray Size; Tray Spacing Qty 10, 18" x 26" US Full Size Pans. 74mm /  $2^{7}/_{8}$ ".

#### **Installation Requirements**

#### Important:

- Installation shall comply with local electrical, health and safety requirements.
- It is most important that this Holding Cabinet is installed correctly and that Holding Cabinet operation is correct before use.
- If you have any questions regarding proper installation and / or operation of this Holding Cabinet, please contact your local Turbofan distributor.

#### Unpacking

- Remove all packing.
- Check equipment and parts for damage. Report any damage immediately to the carrier and distributor.
- Remove protective plastic coating from side panels.
- Check that the following parts have been supplied with your Holding Cabinet:

Side Racks.

- Report any deficiencies to distributor who supplied Holding Cabinet.
- Check available power supply is correct to as shown on Rating Plate located on front lower corner of right hand side panel. Refer to 'Technical Data' in 'Specifications' section.

#### Location

- Position the Holding Cabinet in its working position.
- The Holding Cabinet should be positioned so that operating panel and Holding Cabinet shelves can be easily reached for loading and unloading.



 To ensure correct ventilation for motor and controls, the following minimum installation clearances are to be adhered to:

	H8T-UC	H8T-FS-UC	H10T	H10T-FS
Rear	25mm / 1"	25mm / 1″	25mm / 1″	25mm / 1″
L/H Side	0mm / 0″	0mm / 0″	0mm / 0″	0mm / 0″
R/H Side	0mm / 0″	0mm / 0″	0mm / 0″	0mm / 0″

#### **Clearance From Source of Heat.**

Where the appliance is located next to a source of heat, a minimum distance of 300mm (12") from the appliance sides is required.

#### **Electrical Connection**

Warning

This Holding Cabinet must be earthed / grounded. If the supply cord is damaged, it must be replaced by a suitably qualified person in order to avoid a hazard.

Each Hot Holding Cabinet should be connected to an adequately protected power supply and an isolation switch mounted adjacent to, but not behind the Hot Holding Cabinet and must be readily accessible to the operator. This switch must be clearly marked and readily accessible in case of fire.

Check that the electricity supply is correct to as shown on the Technical Data Plate on the front right hand corner of the holding cabinet side panel.

The Holding Cabinets are supplied with electrical cords fitted. Ensure that the appliance is fitted with the appropriate power cord and plug.

#### **Positioning of Hot Holding Cabinet**

Correctly locate the Holding Cabinet into its final operating position and lock the front castors to retain the holding cabinet in it's location.

#### **Initial Start-Up**

Before using the new Holding Cabinet;

1. Please refer to Operation Section of this manual for details on how to correctly operate and shutdown the Holding Cabinet.

#### **Technical Data Plate Location**

Technical Data Plate for the Hot Holding Cabinets is located at the bottom left corner of RH side panel.



Technical Data Plate Location

#### **Using Crew Mode**

1.	CONTROL OFF	
		CONVECTION OVEN SYSTEMS
	Press 🕧 key to turn control ON.	

#### 2. CONTROL ON

Press **CREW** to start using Holding Cabinet.





#### 3. PRE-HEATING

Pre-Heating will occur automatically.

NOTE: Pre-Heating only occurs on in	nitial Start-Up.
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Press **HELP** to show HELP screen.

Press **BACK** to return to previous screen.

#### 4. SELECT SHELF SCREEN

Shelves shown in Blue - Start Timers are ready for use. Load trays onto shelves.

Press Shelves with trays loaded.

BACK	85°C	
/ 1		
2	1973	
3		
4		
5		
6	1000	
1		
8		
9		
10	1.1.1	



#### 5. SELECT PRODUCT

Select Product from list.



Press Scroll Bar to scroll up / down through recipes

#### 6. LOAD TRAYS

Shelves selected will show in Green.

When shelves are green; Shelf timer counts down the pre-set Hold Time.



When shelves are green, **Product Available.** 

#### 7. CANCELLING HOLD TIMER

Press shelf for 2 seconds to cancel, in case of incorrect shelf selection.

NOTE: Shelves can be cancelled at any time.

#### 8. HOLD TIME EXPIRED

Shelves with expired Hold Time will show in Red. Buzzer sounds / 00.00 flashes on shelf display that has turned red.

Remove trays / product.

Cancel shelf alarm by pressing shelf shown in red. Shelf returns to blue (Ready State).

BACK	HELP
REM	IOVE TRAY(S)
/ 1	00:00:00
/ 2	00:00:00
/ 3	00:00:00
/ 4	00:00:00
5	00:03:00
6	00:03:00
7	00:03:00
8	00:03:00
9	00:03:00
10	00:01:28

When shelves are Red;

Hold time has expired.

Unload trays - discard product.

Press shelves shown in Red to cancel alarm.

#### **Selecting Manager Mode**

1.	<b>CONTROL ON</b>
----	-------------------

Select MANAGER.



Press **HELP** to show HELP screen.

2			ANAGER P	SSCODE
۷.	ENTER PASSCODE			
		RANGE:	0000 - 9999	
	ENTER Passcode (4500).	1	2	3
		4	5	6
		7	8	9
	Press 💓 to confirm.		0	+
	Press 👿 to cancel.			

3.	MANAGER SCREEN #1		Press (HELP screen.
	Press HOLD TIMERS, to enter Hold Mode settings.	HOLD TIMERS PREHEAT OPTIONS COPY HOLD TIMERS COPY HOLD TIMERS COPY HOLD TIMERS FROM USB	Press <b>Home</b> to exit MANAGER screens.
	The following screen will appear on the display.		Press 👿 for next MANAGER screen.
	SET HOLD TEMPERATURE.		Press HELP to show HELP screen.
	Press 85°C	HOLD BETTINGS	Press <b>BACK</b> to save settings and return to the previous screen.
	This Temperature is global for all Shelf Timers.	85°C	
	Enter Hold Temperature on displayed keypad.		
	Press 🕢 to confirm.		NOTE:
	Press 👿 to cancel.		The Hold Temperature is Global for all Shelf Timers and does not need to

The Hold Temperature is Global for all Shelf Timers and does not need to be set for each shelf.







**()** 

MANAGER screens.







#### **Cleaning Guidelines**



Caution

Always turn 'Off' the electrical power supply at the mains supply before commencing cleaning.

This Hot Holding Cabinet is not water proof. Do not use water jet spray to clean interior or exterior of the appliance.

To achieve the best results, cleaning must be regular and thorough. If any small faults occur, have them looked at promptly. Don't wait until they cause a complete breakdown.

#### NOTE:

- Carefully read and follow the safety instructions on the label of the cleaning product to be used.
- DO NOT use harsh abrasive scouring pads or abrasive detergents as they could damage the Hot Holding Cabinet.
- Ensure that any detergent or cleaning material has been completely removed after each cleaning.

To keep your Hot Holding Cabinet clean and operating at peak efficiency, follow the procedures shown below:-

#### **Hot Holding Cabinet Cleaning**

#### NOTE:

 If Hot Holding Cabinet usage is very high, cleaning procedure should be carried out more frequently.

#### **Stainless Steel Surfaces**

- Clean exterior surfaces of Hot Holding Cabinet with, a damp cloth moistened with a mild detergent solution, or a soft bristled brush.
- 2. Hardened deposits or discolouration may require a good quality stainless steel cleaner. Always apply cleaner when appliance is cold and rub in direction of the grain.
- 3. Dry all components thoroughly with a dry cloth and polish with a soft dry cloth.
- Ensure Hot Holding Cabinet chamber is cool. Do not use wire brushes, steel wool or other abrasive materials to clean interior of cabinet.
- Once a week, remove side racks and clean any build up of product from Hot Holding Cabinet interior, using a mild anti bacterial detergent, hot water solution and a soft bristled brush.
- 6. Dry Hot Holding Cabinet thoroughly with a soft dry cloth.

#### Side Racks

- 1. Lift up and remove side racks for cleaning.
- 2. Clean racks with a mild anti bacterial detergent and hot water solution, using a soft bristled brush.
- 3. Dry racks thoroughly with a dry cloth and polish with a soft dry cloth.
- 4. Refit racks into Hot Holding Cabinet.

#### **Condensation Channel**

- Below the door is a condensation channel for collecting door condensation run-off. This is then fed into a condensation drawer.
- Empty condensation drawer on a regular basis and once a week, wipe out condensation channel and drawer with a damp cloth moistened with warm water and a mild detergent solution.
- 3. Dry with a soft dry cloth.

#### Door

- Wash door with warm water and a mild detergent solution using a soft sponge in straight lines up and down inner and outer surfaces of door. Rinse with clean, warm water and dry off.
- 2. Dry the door thoroughly with a soft dry cloth.
- 3. Clean door glass with a conventional glass cleaner.

#### Door Seal

Clean door seal with warm water and a detergent solution using a soft sponge when required.

Should the door seal become dirty, it can be removed for a more thorough cleaning should this be necessary:-

- To remove 1 piece seal, pull seal forward until it pulls out of location groove around the door. Note the way seal is fitted to door, with lip facing inwards.
- 2. Check seal for wear and damage and replace if damaged or worn.
- 3. The seal may be washed in a sink, taking care not to cut or damage the seal .
- Dry the seal thoroughly with a soft dry cloth before re-fitting.
- 5. To refit seal, have seal lip facing into centre of door.
- 6. Press seal into locating groove around door until seal is properly located.



This section provides a reference to the more common problems that may occur during the operation of your Hot Holding Cabinet. This fault finding guide is intended to help you correct, or at least accurately diagnose problems with your Hot Holding Cabinet.

When fault finding a problem, always use a process of elimination starting with the simplest solution and working through to the most complex. Never overlook the obvious.

You may encounter a problem not covered in this section, please contact your service provider who will require the following information:-

• Model and Serial Number of Hot Holding Cabinet, can be found on the Technical Data Plate located on front right hand side panel of the cabinet.

Fault	Possible Causes	Remedy	
	Mains isolating switch on the wall, circuit breaker or fuses are 'Off' at the power board.	Turn 'On'.	
Cabinet does not operate / Touch Controller is 'Off'.	Transformer faulty.	Call for service.	
	Touch Controller faulty.	Call for service.	
	No operating temperature set on Controller.	Set an operating temperature on the Controller.	
	Motor Overtemp tripped.	Call for Service.	
Touch Controller operates but No Heat in Oven.	Heating Relay faulty.	Call for Service.	
	The element is faulty.	Call for Service.	
	Touch Controller faulty.	Call for Service.	
	Fan obstructed.	Clear obstruction.	
Cabinet heats up but fan does not operate.	Fan motor faulty.	Call for service.	
	Controller faulty.	Call for service.	
	Tray in way of door.	Correctly position tray in rack.	
Door does not close fully.	Door seal obstruction.	Correctly refit door seal. (Refer to the 'Cleaning' Section).	
	Blown bulb.	Replace bulb.	
Cabinet light not illuminating.	Controller faulty.	Call for service.	

#### **Controller Error Messages and Faults**

Error Message (Screen Display)	Error Log Display Fault (Service Menu)		Remedy	
I/O Feedback Error Call For Service	I/O FEEDBACK	Touch controller fault	Call For Service	
Cavity Probe Error Call For Service	Cavity Probe Error Call For Service CAVITY PROBE SHORT Cavity		Call For Service	
Cavity Probe Error Call For Service	CAVITY PROBE OPEN	Temperature probe open circuit.	Call For Service	
Cavity High Temperature Error Call For Service	CAVITY HIGH TEMP	Air heating control circuit fault.	Call For Service	
Cavity No Heat Error Call For Service	CAVITY NO HEAT	No temperature rise is detected within 15 mins	Call For Service	

#### **Electrical Schematic**



#### **Important:**

Only genuine authorized replacement parts should be used for servicing and repair of this Holding Cabinet. Instructions supplied with parts should be followed when replacing components. For further information and servicing instructions, contact your nearest authorized service provider or Turbofan Dealer.

When ordering replacement parts, please quote part number and description as listed below. If part required is not listed, request part by description and quote model number and serial number which is shown on Technical Data Plate.

Part No.	Description	H8T-UC	H8T-FS-UC	H10T	H10T-FS
236482	Control Panel Laminated H10T			•	•
238380	Control Panel Laminated H8T-UC	•	•		
TBC	Touch Controller Kit	•	•	•	•
235700	USB Cable Panel Mount Type A, 0.3M	•	•	•	•
235701	USB Protective Cap Type A	•	•	•	•
235698	Transformer 208 / 240 - 24V, 40VA QC Term (220-240V Only)	•	•	•	•
236601	Transformer 110 / 120 - 24V, 40VA (110-120V Only)	•		•	
026160	Terminal Block FV110B	•	•	•	•
236601	Relay SPNO 30A, 24VDC	•	•	•	•
025997	Probe Assy PT1000 1K RTD	•	•	•	•
234080	Element 240V, 1200W (H8T-UC, H10T, 220-240V)	•		•	
234081	Element 120V, 1200W (H8T-UC, H10T, 110-120V)	•		•	
240177	Element 240V, 1900W (H8T-FS-UC, H10T-FS)		•		•
242024K	Motor 208 / 240V, 50/60Hz	•	•	•	•
025387K	Motor 110 / 120V, 60Hz	•		•	
022042	Fan Blade	•	•	•	•
240402	Overtemp Switch	•	•	•	•
236214	Lamp Holder G9 25W (Bulb included.)	•	•	•	•
231814	Lamp Bulb G9/25W 230V HALOGEN	•	•	•	•
233884	Lamp Bulb G9/25W 120V HALOGEN	•		•	
242092	Gasket	•	•	•	•
021352	Glass Lens	•	•	•	•
021353	Support Frame	•	•	•	•
011000		-			
234626	Door Hinge Set Top (H8T-FS-UC, H10T-FS)		•		•
234627	Door Hinge Set Bottom (H8T-FS-UC, H10T-FS)		•		•
235851	Door Hinge Set Top (H8T-UC, H10T)	•		•	
235852	Door Hinge Set Bottom (H8T-UC, H10T)	•		•	
234680	Door Pivot Pin Assembly	•	•	•	•
236299	Door Hinge Gasket (H8T-UC, H10T)	•		•	
240116	Magnet Catch Plate	•	•	٠	•
237741	Door Magnet	•	•	•	•
238378	Door Handle (H8T-UC, H8T-FS-UC)	•	•		
236473	Door Handle (H10T, H10T-FS)			•	•
241442	Door Seal H8T-UC	•			
241443	Door Seal H8T-FS-UC		•		
241440	Door Seal H10T			•	
241444	Door Seal H10T-FS				•
238390	Castor 65mm Rigid PU	•	•		
238391	Castor 65mm Swivel PU D/Brake	•	•		
234216	Castor 75mm Rigid Rubber		-	•	•
234217	Castor 75mm Swivel Rubber D/Brake			•	•
				-	-
238423	Rack LH H8T-UC (1/1 GN)	•			
238424	Rack RH H8T-UC (1/1 GN)	•			
238730	Rack H8T-UC (1/2 US Pan)	•			
240241	Rack H8T-FS-UC	-	•		
236521	Rack RH H10T (1/1 GN)			•	
236622	Rack LH H10T (1/1 GN)			•	
238731	Rack H8T-UC (1/2 US Pan)			•	
240217	Rack H10T-FS				•
239482	Condensation Collection Pan	•	•	•	•
1	1	1			