

REFRIGERATOR MANUFACTURER
Turbo air

Turbo Air Speed up the Pace of Innovation

CAUTION!
PLEASE KEEP POWER
SWITCH ON BEFORE
OPERATING THIS EQUIPMENT

Open Display Merchandiser Installation and Operation Manual

Please read this manual completely before attempting to install or operate this equipment!

Slim Line

TOM-30S(B)
TOM-40S(B)
TOM-50S(B)
TOM-60S(B)
TOM-75S(B)

Low Profile

TOM-30L(B)
TOM-40L(B)
TOM-50L(B)
TOM-60L(B)
TOM-75L(B)

Combination

TOM-W-40S(B)
TOM-W-50S(B)
TOM-W-60S(B)



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INTRODUCTION

This owner's manual has important information. Please read the entire manual before installing your new Turbo Air Open Display Merchandiser. After reading manual if you have any questions, please feel free to call:

CUSTOMER SERVICE DEPARTMENT
TURBO AIR
1250 VICTORIA ST.
CARSON, CA 90746
1-800-381-7770

Please write down model and serial number for making any reference to this unit.

MODEL NUMBER _____

SERIAL NUMBER _____

WARNING

Failure to read this manual completely can result in personal injury or damage to the unit.

Keep manual in a safe place to refer to in the future.

Display should be on dedicated outlet for proper operation.

Thank you for purchasing Turbo Air!

SPECIFICATION

Model	TOM-30L*	TOM-40L*	TOM-50L*	TOM-60L*	TOM-75L*
Dimension	33.5×28.0 ×45.8	33.5×39.0 ×45.8	33.5×50.8 ×45.8	33.5×63.2 ×45.8	33.5×75.6 ×45.8
Electricity	120V/1Ph/60Hz				
Power Input	7.5A	11.0A	11.0A	15.5A	15.5A
Compressor	HK6A1C2U	CAJ4476Y		CAJ4492Y	
Refrigerant	R-134a				
Lighting	7.2W×2	10.8W×2	14.4W×2	18.0W×2	21.6W×2
Defrosting	Timed off defrost				
Weight (lbs)	121	154	175	200	225

Model	TOM-30S*	TOM-40S*	TOM-50S*	TOM-60S*	TOM-75S*
Dimension	33.5×28.0 ×41.38	33.5×39.0 ×41.38	33.5×50.8 ×41.38	33.5×63.2 ×41.38	33.5×75.6 ×41.38
Electricity	120V/1Ph/60Hz				
Power Input	7.5A	11.0A	11.0A	15.5A	15.5A
Compressor	HK6A1C2U	CAJ4476Y		CAJ4492Y	
Refrigerant	R-134a				
Lighting	7.2W×1	10.8W×1	14.4W×1	18.0W×1	21.6W×1
Defrosting	Timed off defrost				
Weight (lbs)	115	146	168	191	213

SPECIFICATION

Model	TOM-30S*	TOM-40S*	TOM-50S*	TOM-60S*	TOM-75S*
Dimension	34.0×26.9 ×56.3	34.0×38.9 ×56.3	34.0×50.9 ×56.3	34.0×62.7 ×56.3	34.0×75.2 ×56.3
Electricity	120V/1Ph/60Hz				
Power Input	7.5A	11.0A	11.0A	15.5A	15.5A
Compressor	HK6A1C2U	CAJ4476Y		CAJ4492Y	
Refrigerant	R-134a				
Lighting	6.0W×3	9.6W×3	13.2W×3	16.8W×3	20.4W×3
Defrosting	Timed off defrost				
Weight (lbs)	354	425	496	567	638

INSTALLATION INSTRUCTIONS

INSPECTION FOR DAMAGE

Customer is responsible for checking for damage. First inspect crate as soon as it arrives. Prior to signing if crate is damaged make sure you note that on bill of lading. If after uncrating there is concealed damage and crate was in good condition you must call Customer Service at Turbo Air. Concealed damage must be reported within 24 hours of receiving unit. Bill of lading will be requested faxed to claim department. Pictures may be requested of unit and crating.

INSTALLATION INSTRUCTIONS

LOCATION OF OPEN DISPLAY MERCHANDISER

Display is designed to be in an area that is ambient 75 degrees Fahrenheit (dry bulb) or colder and 55 percent relative humidity. If unit is installed in a warm ambient area Display will not cool effectively. Move the display to the final location before removing shipping skid. Allow 3 inches from back of Display to wall. Condenser is in front of Display. Do not block inlet.

There are four bolts at bottom of display that secure it to shipping skid, remove all four.

LEVELING OF OPEN DISPLAY MERCHANDISER

Four leveling legs are provided for leveling Display. If you do not wish to use levelers they can be turned inwards.

Bottom frame of unit will be on floor. Use a leveler to make sure unit is leveled on all four corners.

If unit is not leveled drainage of water will not drain properly. Leveling legs can be adjusted accordingly

OPERATING INSTRUCTIONS

After installing unit and all electrical to the Display, Display is ready to start up.

OPERATING INSTRUCTIONS

CONTROLS

POWER SWITCH :

It is located in front of front panel down in the red area.

(TOM-W-: It is located in back side of left base panel top in the red area)

LIGHT SWITCH :

It is located in front of front panel down in the green area.

(TOM-W-: It is located in back side of left base panel top on green)

TEMPERATURE CONTROL : The temperature control is located near the front right hand side underneath the bottom shelf.

1. The original setting for the control is Normal.
2. The working temperature is from 37°F to 40°F.
3. To lower the temperature, turn the knob slightly to "COLD". To raise the temperature, turn the knob to "WARM".
4. In case of icing due to the hike of ambient temperature or humidity, turn the knob slightly to "WARM".

THERMOMETER :

Thermometer showing temperature is located on the top right side in front of the back cover. (TOM-W-: Open case top right side in front of the back cover)

OPERATING INSTRUCTIONS

NOTE:

Before placing products to Display wait for unit to reach desired temperature.

Do not place hot product in unit.

HOW TO PLACE PRODUCT:

Do not overload product on shelves. Do not place product against back wall, due to air flow will be blocked and cause unit not to cool properly.

MAINTENANCE & CLEANING

!!! Always before cleaning Display, unit should be turned off at power switch and lights

should be turned off. Remove product and allow display to reach room temperature

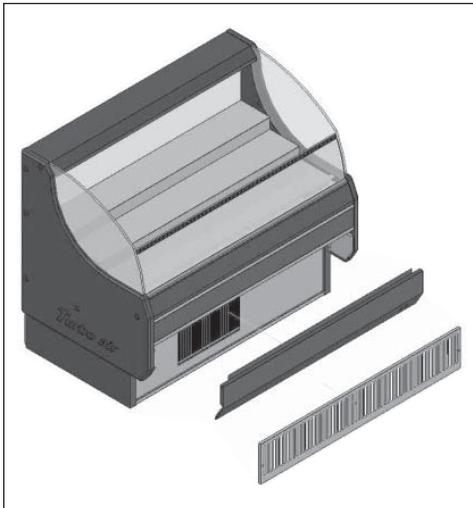
!!! Do not let electrical components get wet.

DISPLAY CASE SHOULD BE CLEANED THOROUGHLY BEFORE FIRST USE.

- a. Do not clean with harsh detergents. Use a mild soap
- b. Remove all products.
- c. Remove shelves and bottom trays.
- d. Clean interior with warm water and mild detergent.
- e. Wipe with damp cloth. Do not leave residue of soap.

CONDENSER COIL

Condenser coil is located at bottom behind panel.



1. Disconnect the electrical power to the unit
2. Remove the front cover and base cover with screwdriver
3. Brush the dirt, lint, etc. from the finned condenser coil.
4. When finished, be sure to replace the front cover and base cover
5. Reconnect the electrical power to the unit.

6. Condenser should be cleaned every 3 months or as needed.

TROUBLE SHOOTING

For any problems with Display please refer to following check list. If still having a problem or need to ask a question please call Customer service at 1-800-381-7770.

DISPLAY NOT WORKING

- a. Check to see if breaker is not tripped.
- b. Check power going to unit.
- c. Check power switch is on.

TROUBLE SHOOTING

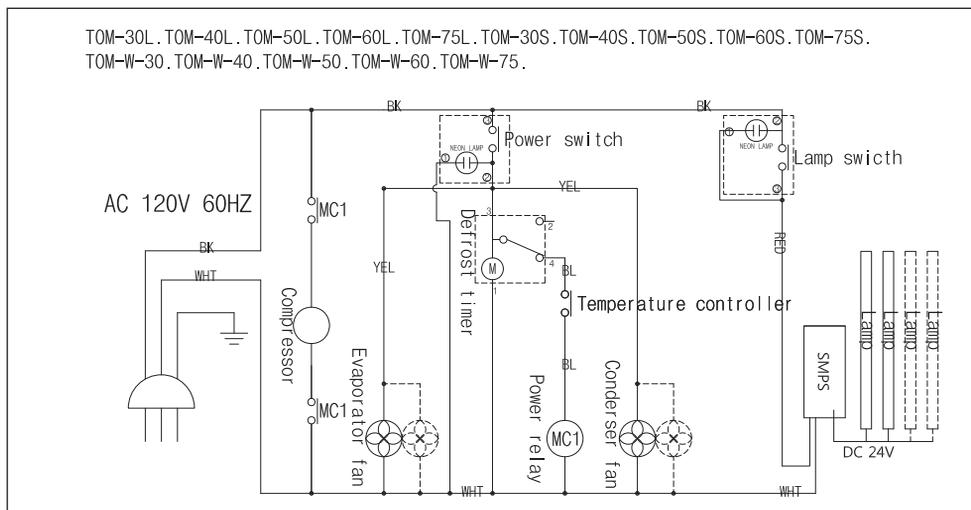
DISPLAY CASE WARM

- Check condenser to see if clean
- Check that air flow inside of unit is not blocked with product.

LIGHTS NOT WORKING

- Check that light switch is on.
- Check that light is in lamp holder correctly.

WIRING DIAGRAM



WARRANTY STATEMENT

Warranty claims

All claims for labor or parts must be made directly through Turbo Air. If unit was manufactured more than one year, proof of purchase must be faxed in or sent with claim. All claims should include: model number of the unit, the serial number of the cabinet, and all pertinent information supporting the existence of the alleged defect. If compressor is replaced under warranty, Turbo Air either requests the compressor or compressor tag be returned. Compressor or tag must be returned with all information related to the unit.

Any action or breach of these warranty provisions must be commenced within six months after said cause of action has occurred.

One Year Parts & Labor Warranty

Turbo Air warrants to the original purchaser of every new Turbo Air refrigerated unit, the cabinet and all parts thereof, to be free from defects in material or workmanship, under normal and proper use and maintenance service as specified by Turbo Air and upon proper installation and start- up in Accordance with the instruction packet supplied with each Turbo Air unit. Turbo Air's obligation under this warranty is limited to a period of one (1) year from the date of original installation or 15 months after shipment date from Turbo Air, whichever occurs first. Any parts, covered under this warranty, are limited to the repair or replacement, including labor charges, of defective parts or assemblies. The labor Warranty shall include standard straight time labor charges only and reasonable travel time, as determined by Turbo Air

WARRANTY STATEMENT

Additional Four Year compressor Warranty

In addition to the one(1)year warranty stated above, Turbo Air warrants its hermetically sealed compressor to be free from defects in both material and workmanship under normal and proper use and maintenance service for a period of four(4) additional years from the date of original installation, but not to exceed five(5) years and three(3) months after shipment from the manufacturer. Compressor determined by Turbo Air to have been defective within this extended period will, at Turbo Air' s option, be either repaired or replaced with a compressor or compressor parts of similar design and capacity.The four(4) year extended compressor warranty applies only to hermetically sealed parts of the compressor and does not apply to any other parts or components, including, but not limited to, cabinet, paint finish, temperature control, refrigerant, metering device, driers, motor starting equipment, fan assembly or and other electrical component, etcetera.

R-134A COMPRESSOR WARRANTY

The four-year compressor warranty detailed above will be voided if the following Procedure is not carefully adhered to:

- 1.This system contains R134A refrigerant and polyolester lubricant The polyol ester lubricant has rapid moisture adsorbing qualities
- 2.Drier replacement is very important and must be changed when a system is opened for servicing. A032 drier or better is highly recommended.
- 3.Micron level vacuums must be achieved to insure low moisture levels in the system. 500 microns or lower must be obtained.
- 4.When compressor is grounded, suction filter drier and 620 drier or better must be replaced.
- 5.Compressor must be obtained through Turbo Air Inc. unless otherwise specified in writing, through Turbo Air' s warranty department.

WHAT IS NOT COVERED BY THIS WARRANTY

Turbo Air's sole obligation under this warranty is limited to either repair or replacement of parts, subject to the additional limitations below. This warranty neither assumes nor authorizes any person to assume obligations other than those expressly covered by this warranty.

NO CONSEQUENTIAL DAMAGES

Turbo Air is not responsible for economic loss; profit loss or special, indirect, or consequential damages, including without limitation, losses or damages arising from food or product spoilage claims whether or not on account of refrigeration failure.

Warranty is not transferable This warranty is not assignable and applies only in favor of the original purchaser/ user to whom delivered. Any such assignment or transfer shall void the warranties herein made and shall void all warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose.

Improper usage Turbo Air assumes no liability for parts or labor coverage for component failure or other damages resulting from improper usage or installation or failure to clean and/or maintain product as set forth in the warranty packet provided with the unit.

NO CONSEQUENTIAL DAMAGES

Alteration, neglect, Abuse, Misuse, Accident, Damage During Transit or Installation, Fire, Flood, Acts of god.

Turbo Air is not responsible for the repair or replacement of any parts that TurboAir determines have been subjected after the date of manufacture to alteration, neglect, abuse, misuse, accident, damage during transit or installation, fire, flood or act of God.

Improper electrical Connections :

Turbo Air is not responsible for the repair or replacement of failed or damaged components resulting from electrical power failure, the use of extension cords, low voltage, or voltage drops to the unit.

No Implied Warranty of Merchantability or fitness for a

Particular purpose :

There are warranties, express, implied or statutory, except the one (1) year warranty and the additional four (4) year compressor warranty no other as described above. These warranties are exclusive and in lieu of all other warranties, including implied warranty and merchantability or fitness for a particular purpose. There are no warranties which extend beyond the description on the face hereof.

Outside U.S. and Canada :

This warranty does not apply to, and Turbo Air is not responsible for, any warranty claims made on products sold or used outside the United States and Canada.