

CONVEYOR TOASTER



USER MANUAL

DELTA CONVEYOR TOASTER

ED10

V2 01/21

DISTRIBUTED BY:



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Specifications

Dimensions	370mmW x 640mmD x 400mmH
Watts	2500–3000 Watts
Voltage	220–240V, 50/60Hz
Capacity	360 slices per hour
Weight	20kg
Amp	12.2 Amp



Features

- Quartz infrared heaters provide faster, more consistent heating than traditional heating elements
- Easy to use control panel takes the guesswork out of temperature and speed control settings
- Variable speed and top/bottom heat control for perfect colour and texture of bread, bagels, English muffins and more
- Energy efficient operation with power saver switch that reduces electricity consumption about 75% and the quartz heaters return to full power in seconds vs. minutes for metal sheathed elements
- Extended stainless steel conveyor belt for easy loading and large warming area for higher production
- Safe load up area with full width coated front burn guard and cool to the touch exterior
- Smart crumb tray keeps the bread crumbs from falling under the toaster
- Heated holding area to keep toaster at the perfect temperature
- High limit switch prevents toaster from overheating, protecting critical component parts

General installation data

This equipment is designed and sold for commercial use only by personnel trained and experienced in its operation and is not sold for consumer use in and around the home nor for use directly by the general public in foodservice locations.

Before using your new equipment, read and understand all the instructions and labels associated with the unit prior to putting it into operation. Make sure all people associated with its use understand the unit's operation and safety before they use the unit.

Assembly and installation

The unit was shipped fully assembled and ready to plug into a standard outlet specified for its voltage and amp draw. If improper electrical supply is determined, contact a qualified electrician prior to using the unit. Removal and replacement of the power cord and plug will void the warranty. For assistance, contact your local authorised service agent for services or required maintenance.

Before using the unit for the first time, wipe down the exterior with a damp cloth. Allow enough space around the toaster for adequate ventilation. Do not operate the unit without the crumb tray properly positioned, overheating and poor toasting may occur. Read all labels on the unit and follow their instructions.

Electrical connection

Before making any electrical connection to this unit, check that the power supply is adequate for the voltage, amperage and requirements stated on the rating plate. A wiring diagram is included herewith.

Disconnect the unit from the power source before installing or removing any parts.

Be absolutely sure that the ground connection for the receptacle is properly wired. Do not connect equipment to power without proper ground connection. Improper grounding may result in personal injury or fatality.

DO NOT CUT OR REMOVE THIS PLUG or GROUNDING PRONG FROM THE PLUG. CONNECT / PLUG UNIT INTO DEDICATED A.C. LINE ONLY SPECIFIED ON THE DATA PLATE OF THE UNIT.

Operation

Rotary Power Saver Switch

For toasters with a Rotary Power Saver Switch, turn clockwise to get in the following positions.

Full Power

When in this position your equipment is at full power and ready to use.

Off Rotary

Two off positions are provided, a single rotation to either direction will shut the unit off.

Standby

The standby position reduces the power consumption by 75%. Using this position during the quiet times will save electricity and keep the toaster warm. When needed, turn the switch to FULL POWER. Recovery time is about 30 seconds.

CERTAIN SURFACES ARE EXTREMELY HOT DURING OPERATION AND CARE SHOULD BE TAKEN WHILE USING THIS UNIT.

Cooking procedures—Bread toasting

Some toasters are equipped with a swinging heat shutter at the toaster entrance. This shutter will move out of the way as the product passes under it.

1. Turn the power saver to FULL POWER.
2. Set the conveyor speed to HIGH.
3. If your toaster is equipped with separate top and bottom heat controls set them both at HIGH.
4. Allow warm up time of 5 to 10 minutes
5. Place a sample product on the conveyor belt to test the settings.
 - If toasting is too light, turn conveyor speed control counterclockwise to a slower speed
 - If toasting is too dark, turn heat control to a lower heat

(NOTE: Some products may require adjustment of the top and bottom heat controls in order to achieve the desired results).

Toaster components



Daily operation

Check the power cord to insure that it is plugged into a proper outlet.

Set the heat control knobs to desired temperature.

Always allow 10 minutes of pre-heat time before loading the unit with product. Failure to allow sufficient pre-heat time will result in unsatisfactory cooking until the unit reaches operating temperature.

Operating hints and safety

Disconnect power to the unit with the switch at the end of each day of operation.

Do NOT leave the unit in operation without an attendant.

Turn power saver switch to standby during idle periods. It will take only a few minutes to regain operating temperature.

Do NOT leave the unit at high temperature when not in use or during idle periods. This will cause food particles and grease film to carbonise.

Cleaning

Preventative maintenance for your toaster consists of the following recommended cleaning procedures. To keep your toaster in its top operating condition, these steps should be performed daily or weekly as indicated.

- A.** Clean airtake on bottom of unit.
- B.** For light soiled conveyor belts, turn conveyor speed control to fastest setting and wipe with a damp cloth. For heavily soiled conveyors, turn conveyor speed control to fastest setting and wipe with a light abrasive pad.
- C.** Turn main power saver switch to the OFF position. Disconnect unit from power source.
- D.** After the unit cools, remove interior crumb tray and clean. Slide crumb tray back into position.
- E.** Wipe exterior surface of unit.

DO NOT IMMERSE OR LET THE UNIT STAND IN WATER.

DO NOT HOSE DOWN THE UNIT OR THE TABLE/COUNTER IF THE UNIT IS ON THE TABLE/COUNTER.

KEEP AWAY FROM RUNNING WATER.

Maintenance procedures

A. Replacing heater tubes

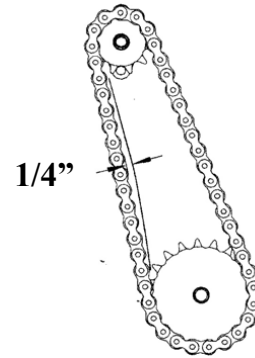
- 1.** Disconnect unit from power source.
- 2.** Remove the enclosure.
- 3.** Remove heater tube wire from terminal block connection, keeping top and bottom wires separate.
- 4.** Lift heater tube retainers by loosening retaining screw and sliding the retainer plate up. Hand tighten the plate to hold it up so the heater tubes will slide out freely.
- 5.** Gently pull defective heater tube out of the unit.
- 6.** Gently put new heater tube into unit.
- 7.** Loosen retainer screws and slide the retainer back into place. Tighten the screw to secure the retainer in place over the ends of the heater tubes.

B. Replacing fan motor

- 1.** Disconnect unit from power source.
- 2.** Remove screws from the enclosure and the back panel at rear of unit.
- 3.** Remove the enclosure and the back panel.
- 4.** Unplug power supply cord from fan motor.
- 5.** Remove screws which hold fan motor and grill to bottom of unit and remove fan.
- 6.** Put replacement motor and grill in place and secure to the bottom of the unit with screws.
- 7.** Reconnect power supply cord to fan motor.
- 8.** Replace back panel and enclosure. Fasten with screws removed in Step 2.

C. Replacing belt drive motor

1. Disconnect unit from power source.
2. Remove enclosure and back panel.
3. Remove sprocket from motor shaft using an Allen wrench and loosening the set-screw.
4. Remove the wires from terminal block connecting the drive motor to internal wiring. On unit rated 120V volts, note which colour leads are being used for these connections and which lead is capped with white tape. The new motor should use the same arrangement.
5. Remove screws holding motor in place and remove the motor from the unit.
6. Put new motor in place and attach loosely with mounting screws.
7. Replace sprocket on motor shaft.
(NOTE: The two sprockets should line up parallel with each other, so the chain does not twist any time during operation. Also, the hub gets installed closest to the motor.)
8. Slide motor until the drive chain has about 1/4" slack when lightly pushed at the centre of its top open run.
(See *chain tensioning illustration*).
9. Tighten screw to secure motor.
10. Rewire leads same as removed in Step 4.
11. Replace side panel and control box cover.



D. Cleaning air intake once a week

1. Disconnect unit from power source.
2. Place unit on its back side.
3. Use a vacuum cleaner and or a damp cloth to clean the air intake. This procedure should be done at least once a week.

E. Lubricate the chain and sprockets every 6 months

1. Disconnect unit from power source.
2. Remove enclosure exposing chain drive.
3. Using an extreme pressure, synthetic chain lubricant with a temperature range up to 400°F. Apply liberally onto chain and sprockets.
4. Replace enclosure. Reconnect power source and test unit.

Troubleshooting Guide

A. Unit will not heat, conveyor belt will not move

1. Be sure the main circuit breaker is switched to the ON position.
2. Check to see if the toaster is plugged in and all controls are turned to the ON position.

B. Unit has heat only on one side, conveyor belt turns freely

1. The heating element may need replacing.

C. Conveyor will not turn, unit heats properly

To check for mechanical binding:

1. Disconnect unit from power source.
2. Remove screws holding enclosure to the bottom of the unit.
3. Set unit on the legs and remove screws on the back of the toaster.
4. Slide the enclosure off the unit and remove the back panel.
5. Loosen the four screws that hold the drive motor in place.
6. Slide the motor up, allowing the drive chain to be removed from the sprockets.
7. Move the conveyor belt by hand to check for mechanical binding. If conveyor moves freely, the drive motor and/or speed control may need replacing.
8. Replace the enclosure by sliding forward towards the front of the unit. The front edge of the enclosure will slide beneath the toaster front.

D. Heat limit switch (reset)

Your conveyor toaster is equipped with an automatically activated heat limit switch that interrupts the heater tube connections if the ambient temperature in the control box exceeds 88°C. This switch can be reset manually by pushing the red button under the toaster.

1. Disconnect unit from power source.
2. Check to see if air intake area in the bottom centre of the control box is free of dust, grease or other obstructions.
3. Check if crumb tray is in place. NEVER OPERATE UNIT WITHOUT CRUMB TRAY IN PLACE AS THIS CAUSES OVERHEATING IN THE CONTROL BOX.
4. If no obstructions to the airflow can be found and if the crumb tray is in place.

E. Conveyor turns at one speed regardless of speed control setting

1. The speed control should be replaced.

F. Product sticking to conveyor or slide

Your conveyor toaster designed to toast product that is at current room temperature. DO NOT attempt to put frozen, refrigerated or any butter or butter substitute material in the toaster. Doing so may cause it to come out doughy or very moist, as well as possibly sticking to parts of the unit.