

# MIGHTY CHEF™ Conveyor Oven

SPL020206-PF-BD  
Dated: February 2, 2006  
Replaces: P/N 39443  
Rev. B VI 3/99



## Parts Manual

*Wiring Diagrams, operating instructions,  
programming & error codes  
for domestic and standard export toasters*

**MODEL TCO2114T**

Serial # Code

First 4 digits - order of production

Fifth digit - model specific

Sixth and Seventh digit - month of production

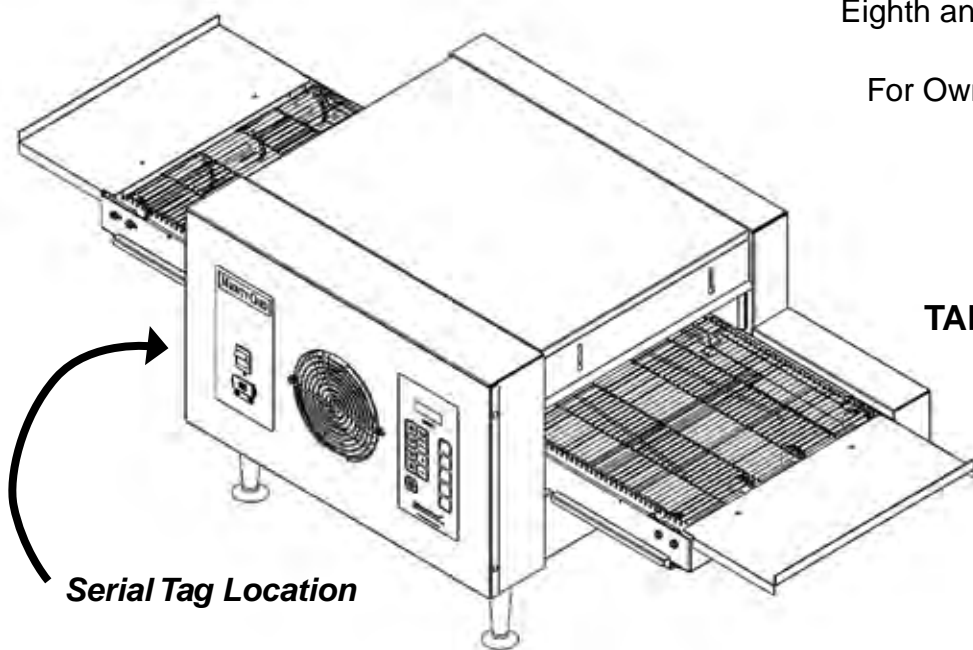
Eighth and Ninth digit - year of production

For Owner's Operating & Installation Manual

See P/N 43336

Rev, B VI 5/00

on our website



**Serial Tag Location**

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# Countertop Conveyor Oven with MenuSelect® TCO2114



5.3 kW when used on 240V. 208 and 240V ovens are equipped with an attached 6 ft electrical cord and 6-30P NEMA plug; 230V oven is equipped

### Heating

There are upper and lower independent, preformed tubular heaters that radiate the heat throughout the cooking chamber. Heaters are controlled by electronic thermostats. The allowable temperature range is 200°F - 599°F (93°C - 315°C), and the cook time range is 30 seconds to 15 minutes.

### Application

The model TCO2114 Countertop Conveyor Oven is designed to easily and quickly cook, bake or broil with consistent quality results. Ideal for pizza, garlic toast, cookies, sandwiches, pretzels and much more.

### Standard Features

- High production with consistent quality.
- Precise cook times and temperatures can be entered into the patented MenuSelect® control.
- Five (5) programmable menus, each has independent time and temperature selections.
- Electronically calibrated for accurately maintaining precise temperatures.
- Top and bottom temperatures are individually controlled.
- Safe, cool exterior.

### General Information

The conveyor oven is designed for placement on a countertop and can

be stacked up to 3 high with stacking brackets. The oven is equipped with a 14" wide, stainless steel chain-link belt. Selecting the direction from the mechanical switch can easily reverse the belt direction. The overall dimensions are 22"D x 42.5"W x 17.2"H including the legs, and the oven chamber is 22"W x 14.25"D x 3"H. The installed weight is 98 lbs. The oven is supplied with crumb trays, conveyor end trays and adjustable heat curtains.

### Construction

The oven is constructed of welded and reinforced stainless steel. The outer case has a unique air-cooled "cool case", patented design, that is cool-to-the-touch.

### Electric

The oven is wired 208V or 240V, 50/60 Hz, 1-phase; or 208V, 50/60 Hz, 3-phase; or 230V, 50 Hz, 1-phase; or 680-400V, 50 Hz, 1-phase. See electrical information chart on back. The oven is rated at 5.0 kW on 208, 230V and 380-400; oven is rated

### MenuSelect®Control

The patented MenuSelect® control feature allows the operator to preset up to five (5) different times and temperatures into the control. The control accurately executes the programs automatically, and a ready light illuminates when the desired temperatures are reached.

### No Quibble Warranty

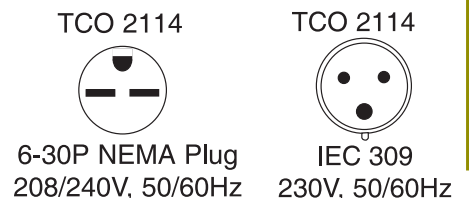
Warranted for one year covering parts and labor. (USA Only)

### Ordering Information

- 208V, 1-phase, 50/60 Hz
- 208V, 3-phase, 50/60 Hz
- 230V, 1-phase, 50 Hz (CE)
- 240V, 1-phase, 50/60 Hz
- 380-400V, 3-phase, 50 Hz (CE)

### Accessories

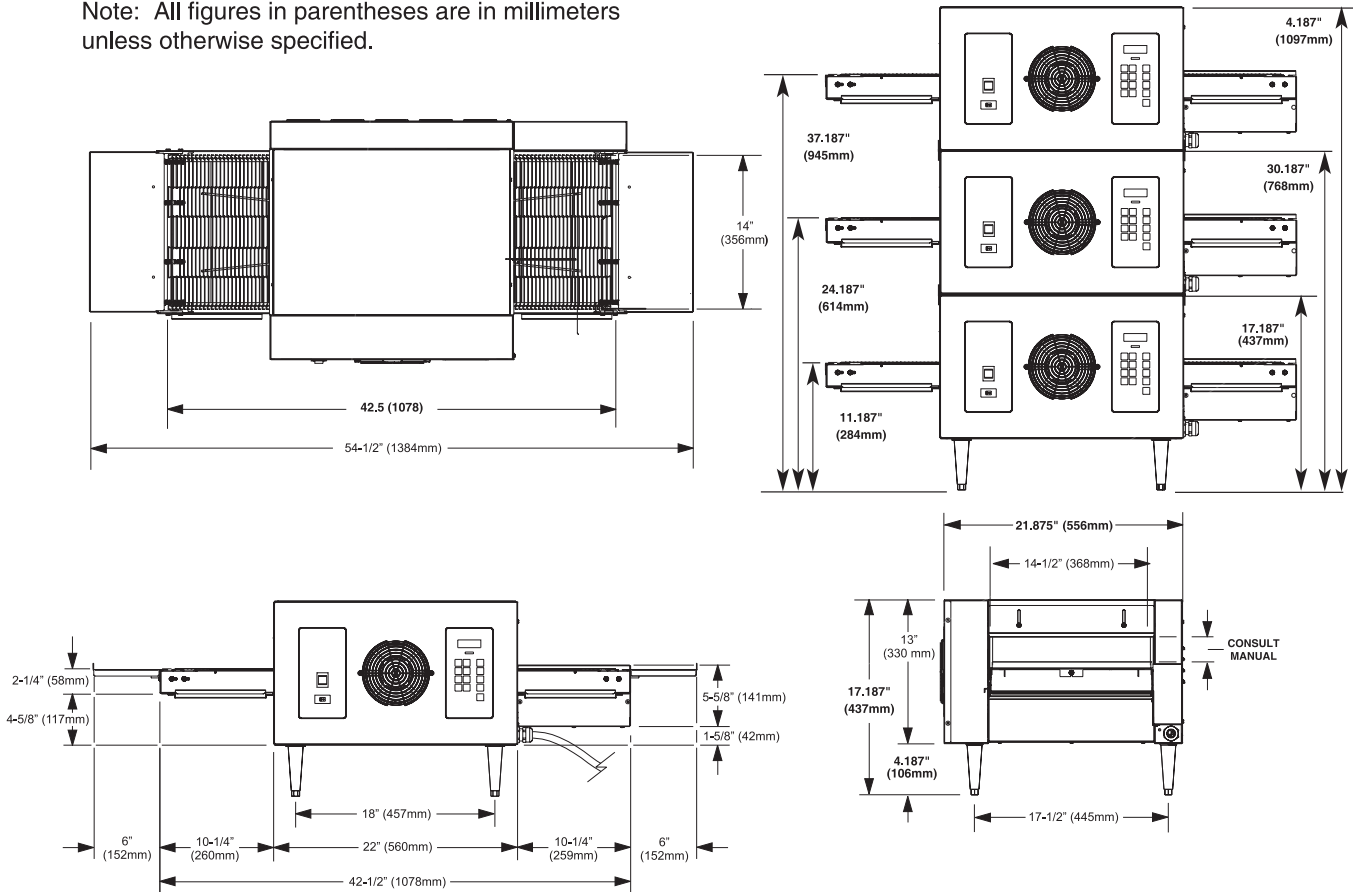
- T2114STACK - Stacking Bracket



# Countertop Conveyor Oven with MenuSelect® TCO2114

Vertical stacking of Toastmaster Conveyor Oven ovens require the Conveyor Oven Stacking Kit (P/N T2112STACK)  
 • 2 ovens - 1 kit required  
 • 3 ovens - 2 kits required

Note: All figures in parentheses are in millimeters unless otherwise specified.



## General Information

| Model   | Width           | Height           | Depth            | Net Weight         | Ship Weight          |
|---------|-----------------|------------------|------------------|--------------------|----------------------|
| TCO2114 | 42.5"<br>(1384) | 17.187"<br>(437) | 21.875"<br>(556) | 98 lbs.<br>44.5 kg | 112 lbs<br>(50.8 kg) |

## Electrical Information

| Model#      | Voltage | Phase | Connected |     |       |       |       |       |
|-------------|---------|-------|-----------|-----|-------|-------|-------|-------|
|             |         |       | Hz        | kW  | L1    | L2    | L3    | N     |
| TCO21140063 | 208     | 1     | 60        | 5.0 | 24A   | 24A   | --    | --    |
| TCO21140066 | 240     | 1     | 60        | 5.3 | 22A   | 22A   | --    | --    |
| TCO21140035 | 230     | 1     | 50        | 5.0 | 21.1A | 21.1A | --    | --    |
| TCO21140077 | 380-400 | 3     | 50        | 5.0 | .3A   | 10.5A | 10.3A | 10.3A |



**INTENDED FOR COMMERCIAL USE ONLY. NOT FOR HOUSEHOLD USE.**

Toastmaster, in line with its policy to continually improve its product, reserves the right to change materials or specifications without notice. Such revisions do not entitle the buyer to corresponding changes, improvements, additions, or replacements for previously purchased equipment.





## OPERATION INSTRUCTIONS




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1. **TO PROGRAM A NEW PRESET MENU SELECTION:** Perform the procedure in Part E, Programming Preset Menu Selections in this Section. At least one menu selection **MUST** be programmed before the oven can be operated.




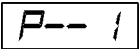
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  2. **TO TEMPORARILY OVERRIDE A PRE-SET MENU SELECTION:** Perform the procedure in Part E, Programming Preset Menu Selections **BUT** press  instead of  (in Steps 3 and 8). Instead of permanently overwriting the menu selection, the new set temperature and cook time settings are only temporary. To cancel the temporary menu selection, press any preset menu key or disconnect electrical power to the oven.


---

  3. **TO CHOOSE A PRE-SET MENU SELECTION:**
    - a. Press  (or any other preset menu key). The display will read . The number in the display (1 is shown above) will match the menu key that was pressed (1-5).
    - b. Wait for the  light to illuminate. The light will illuminate after both heating zones reach their set temperatures.
    - c. Load the product onto the conveyor.



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  4. **TO COOK A SINGLE PIZZA, OR THE LAST OF A GROUP OF PIZZAS:**
    - a. Choose a preset menu selection, and wait for the  light to illuminate.
    - b. Press  .  and  will alternate in the display. The number in the display (1 is shown above) will match the current menu selection (1-5).
    - c. Load the pizza product onto the conveyor.





**IMPORTANT**  
*After 1/2 of the cook time has elapsed, the temperature of the top zone will be automatically lowered. After the entire cook time has elapsed, the program will return to its normal top zone temperature.*

After  is pressed, the menu selection cannot be changed until the cook time has elapsed.


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  5. **TO VIEW THE SET TEMPERATURES:** Press either  or  . The top or bottom set temperature will be displayed for 5 seconds.

---

  6. **TO VIEW HEATING ZONE REFERENCE TEMPERATURES:** Press  +  or  +  . The top or bottom reference temperature will be displayed for 5 seconds.

---

  7. **TO VIEW THE COOK TIME:** Press  . The cook time will be displayed for 5 seconds.
- 

## SHUTDOWN PROCEDURE

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1. Switch the Power On/Off (I/O) switch to the OFF (iO) position.

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2. Wait for the oven's cooling fan to turn off.

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3. Disconnect electrical power to the oven at the circuit breaker/fused disconnect.

## PROGRAMMING PRESET MENU SELECTIONS


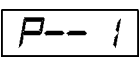
### IMPORTANT

Adding a menu program to the oven will overwrite an existing program. DO NOT enter a new menu program over an existing program that you wish to keep!


1. Restore power to the oven at the circuit breaker/fused disconnect.



2. Switch the Power On/Off (I/O) Switch to the ON (I/I) position.



3. Press and hold  until  appears in the display.



4. **CHOOSE A MENU SELECTION TO PROGRAM** Press and hold  (or any other preset menu key) until  appears in the display and begins to flash. The number in the display (i/i is shown above) will match the menu key that was pressed (1-5).

5. **SET TOP TEMPERATURE**

a. Press . The current top set temperature appears in the display.

b. Press  and  as necessary to change the displayed temperature.


i. Pressing  once increases the iactivei (flashing) digit by one. This digit irolls overi to its minimum value if  is pressed when the digit shows its maximum value.



ii. Pressing  once causes the next digit to the right to become the iactivei (flashing) digit. If the far-right digit is flashing when  is pressed, the far-left digit will flash and become the iactivei digit.

### IMPORTANT

The allowed temperature range is 200-599°F (93-315°C). If you program a set temperature between 0°F (or 0°C) and 99°F (37°C), the heater will be set to OFF. If you program a set temperature between 100°F (38°C) and 199°F (92°C), the temperature will automatically change to 200°F (93°C), the display will flash, and a beep will sound to alert you to the temperature change.

6. **SET BOTTOM TEMPERATURE**


a. Press . The current bottom set temperature appears in the display.



b. Press  and  as necessary to change the displayed temperature.

### IMPORTANT

Unless you are following specific time and temperature instructions, the top and bottom zone temperatures should be set WITHIN 50°F (28°C) of each other. Greater temperature differences may cause the hotter zone to heat the cooler zone. This can cause inconsistent cooking results.

7. **SET COOK TIME**







a. Press . The current cook time appears in the display (minutes : seconds).

b. Press  and  as necessary to change the displayed time.



### IMPORTANT

The allowed cook time range is 00:30-15:00. If you program a cook time outside of this range, the time will change to the closest allowed time (00:30 if your time was too short, or 15:00 if it was too long). The display will flash, and a beep will sound to alert you to the changed cook time.

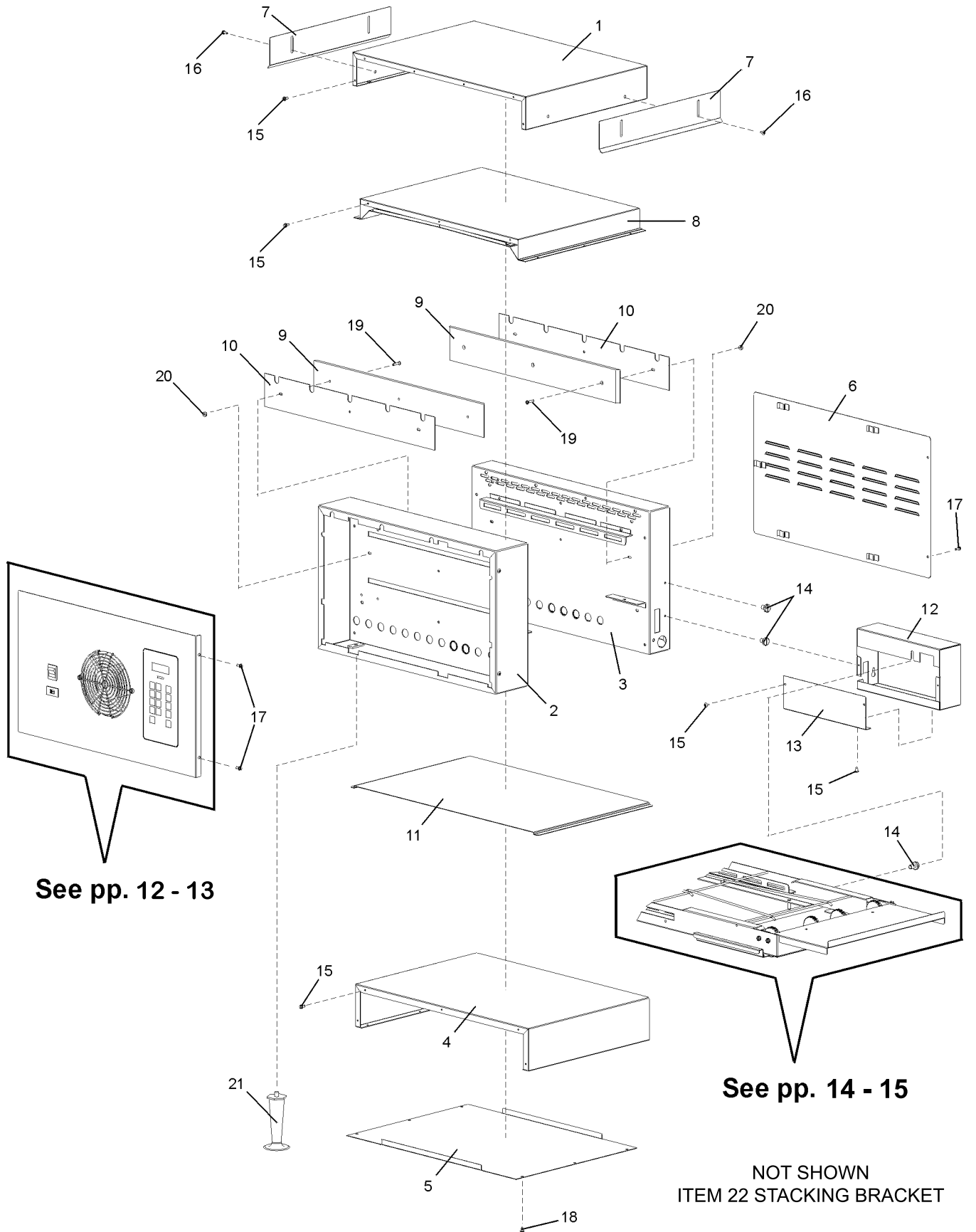
8. Press ONE of the following keys:

- , , or  : Re-enter the top setpoint temperature, bottom set point temperature, or cook time.
-  : Turn off Programming Mode. This returns the oven to normal operation.
- Any other key except  or  : Resume operation, but leave Programming Mode active. Other Preset Menu Selections can be programmed at this time.

## DISPLAY MESSAGES AND ERROR CODES

| DISPLAY SHOWS   | PROBLEM   | ACTION   |
|---|---|--|
| Flashing temperatures or cook times during programming, and oven is beeping | <b>Set Temperatures or Cook Time Outside of Allowed Range</b>   | Re-enter the program using Set Temperatures and Cook Time within the allowed range. Also, refer to Part E, <i>Programming Preset Menu Selections</i> , in this Section.  |
| OFF   | <b>Heating Element turned off</b>   | If the element should be on, re-enter the program using Set Temperatures within the allowed range. Also, refer to Part E, <i>Programming Preset Menu Selections</i> in this Section.   |
| ----  | <b>No Menu Selection Chosen</b>   | Choose or program a preset menu selection.   |
| E-00  | <b>Preset Menu Program Lost</b>   | Re-enter the Preset Menu program.  |
| E-01  | <b>High Ambient Condition</b><br>Temperature inside the control enclosure exceeds 65°C. The oven shuts down, then beeps continuously. | Check the cooling fan (centered on the front panel of the oven) for cleanliness and proper operation. If the fan is not running after the oven heats, or the oven remains in a high ambient condition, contact your local Authorized Service Agent.  |
| E-02  | <b>Conveyor Runaway</b><br>The conveyor runs at full speed. The oven shuts down, then beeps continuously.                             | Check for the proper speed setting by pressing  . If the speed setting is correct, and the conveyor continues to run at full speed, contact your Authorized Service Agent.  |
| E-04  | <b>Conveyor Loose or Jammed</b><br><b>Conveyor</b> is stopped when the speed setting is between 0:15 and 15:00.                       | <p>Switch the Power On/Off (I/O) Switch to the OFF (iOi) position. Switch the breaker/fused disconnect to the OFF position. Allow the oven to cool for at least 30 minutes.</p> <p> <b>CAUTION - HOT</b><br/><b>DO NOT ATTEMPT TO FREE A JAMMED CONVEYOR BELT WHILE THE COOKING CHAMBER IS WARM. SEVERE INJURY MAY RESULT.</b></p> <p>If the conveyor is jammed, free the obstruction from the conveyor belt. If the conveyor still will not operate properly after the jam is cleared, OR if the error message appears when the conveyor is NOT jammed, contact your local authorized service agent.</p> |
| E-35  | <b>Top Heating Zone Failure</b>   | Contact your local authorized service agent.   |
| E-36  | <b>Bottom Heating Zone Failure</b>  | Contact your local authorized service agent.   |
| E-40  | <b>Heating Zone Temperature High Limit</b><br>One or both of the heating zones have reached a temperature greater than 315°C.         | Contact your local authorized service agent.   |

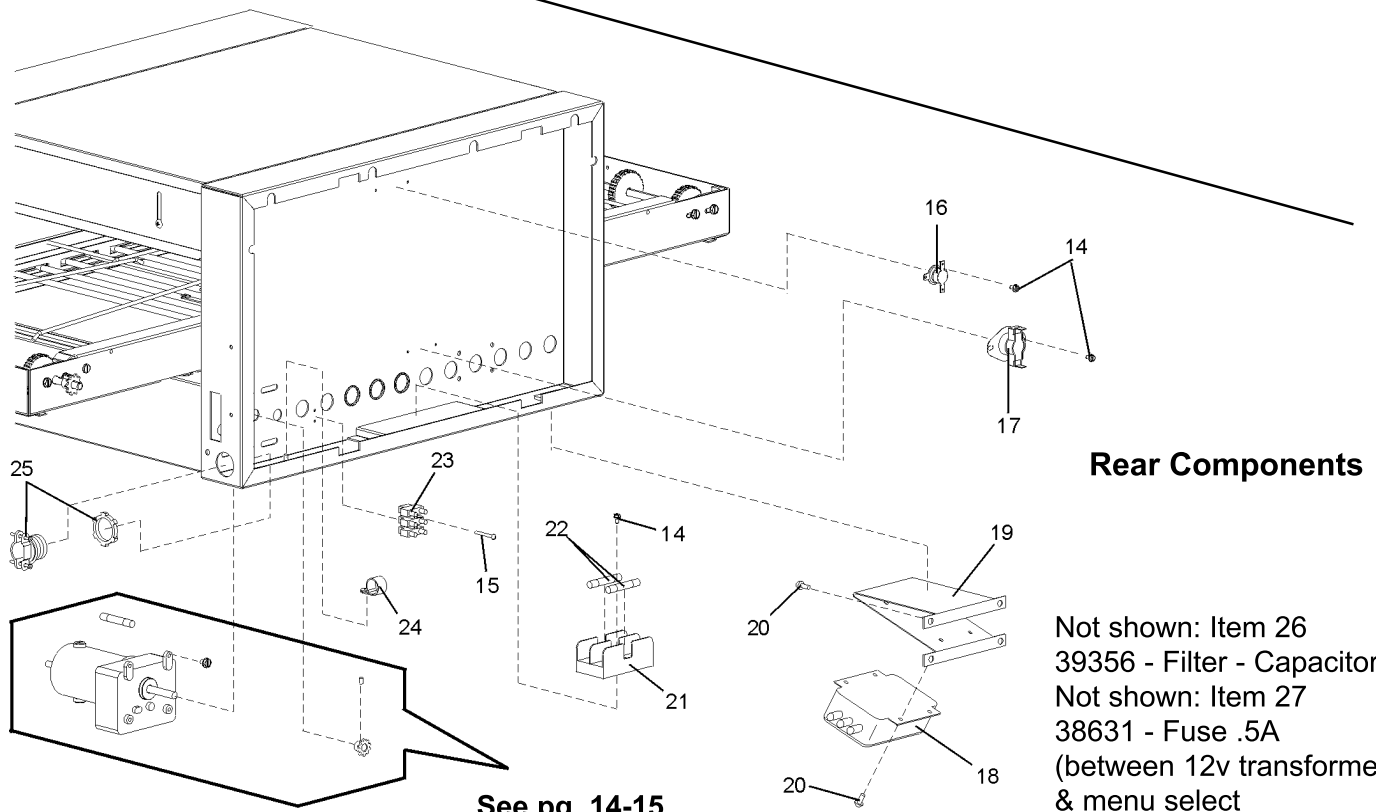
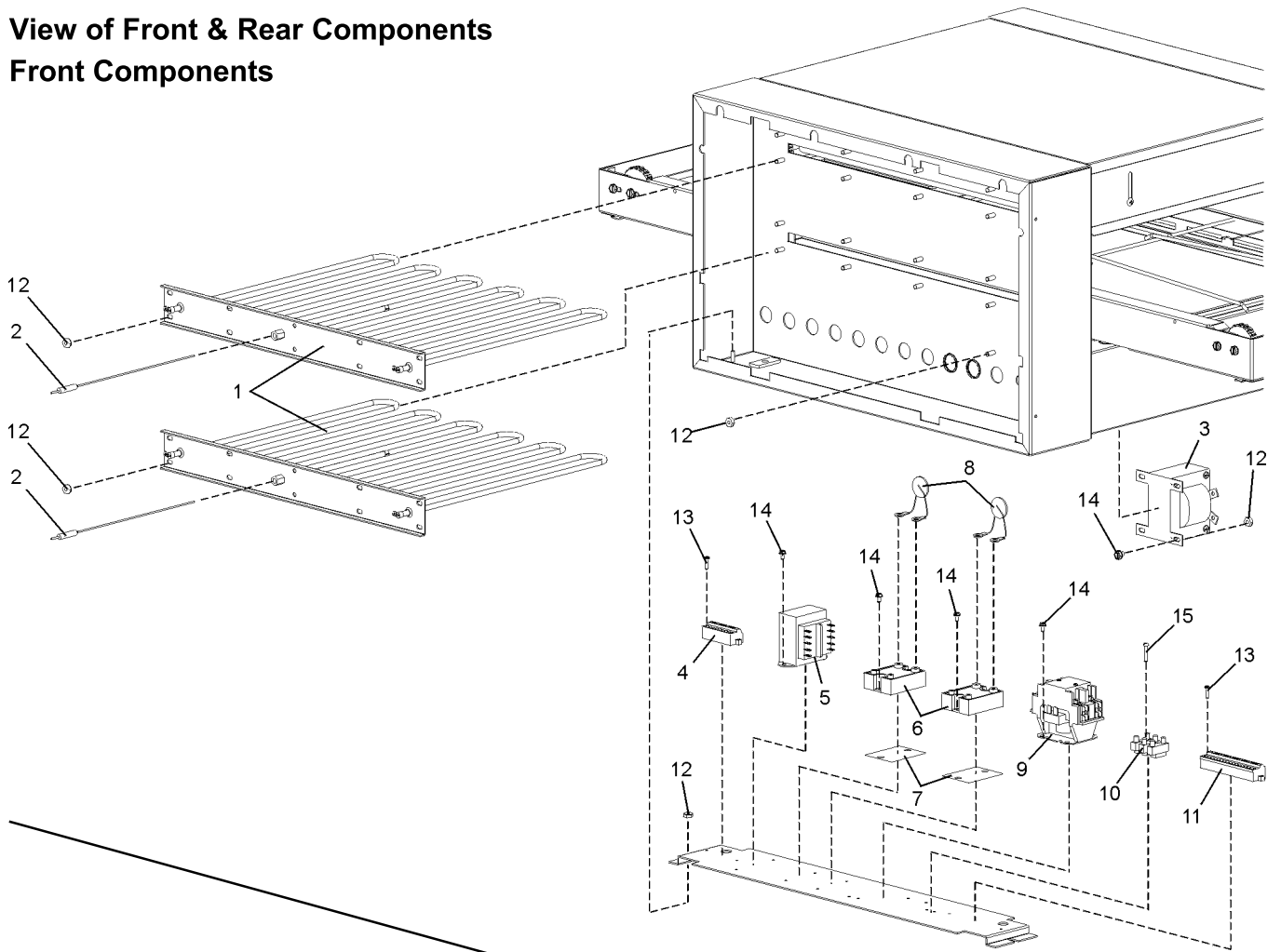
# View of Body Panels and Legs



## Parts for Body Panels and Legs

| ITEM | P/N        | QTY. | DESCRIPTION                                      |
|------|------------|------|--|
| 1    | 39010      | 1    | TOP COVER PANEL                                  |
| 2    | 37360      | 1    | FRONT ENCLOSURE                                  |
| 3    | 37361      | 1    | REAR ENCLOSURE                                   |
| 4    | 50127      | 1    | BOTTOM ENCLOSURE (FLOOR PANEL), USED AFTER 2/05  |
| 4    | 36689      | 1    | BOTTOM ENCLOSURE (FLOOR PANEL), USED BEFORE 1/05 |
| 5    | 36701      | 1    | BOTTOM COVER PANEL                               |
| 6    | 37303      | 1    | REAR COVER PANEL                                 |
| 7    | 36695      | 2    | ADJUSTABLE HEAT CURTAIN                          |
| 8    | 57265      | 1    | TOP REFLECTOR ASSEMBLY, USED AFTER 2/05          |
| 8    | 37362      | 1    | TOP REFLECTOR ASSEMBLY, USED BEFORE 1/05         |
| 9    | 38251      | 2    | EMITTER  |
| 10   | 38252      | 2    | MICA INSULATION PANEL                            |
| 11   | 36687      | 1    | BOTTOM REFLECTOR PLATE (CENTER CRUMB TRAY)       |
| 12   | 36696      | 1    | DRIVE CHAIN COVER PLATE, REAR                    |
| 13   | 36699      | 1    | DRIVE CHAIN COVER PLATE, FRONT                   |
| 14   | 7007413    | 3    | SCREW, SHOULDER                                  |
| 15   | 3B20A8801  | A/R  | SCREW, "F" HEX WSHR HD 8-32 X 3/8"               |
| 16   | 21256-0008 | 4    | SCREW, MS SLT TRS HD 10-32 X 3/8"                |
| 17   | 2000096    | 4    | SCREW, MS SLT TRS HD 8-32 X 1/4"                 |
| 18   | B301A8803  | 6    | SCREW, "AB" PHIL TRS HD 8-32 X 1/4"              |
| 19   | 2000144    | 6    | SCREW, MS PHIL PAN HD 8-32 X 3/4"                |
| 20   | 2001347    | 6    | NUT, KEPS 8-32                                   |
| 21   | 34979      | 4    | LEG ASSEMBLY, 4" (102mm) WITH SUCTION CUP        |
| 22   | 39130      | 2    | STACKING BRACKET                                 |

**View of Front & Rear Components**  
**Front Components**



**Rear Components**

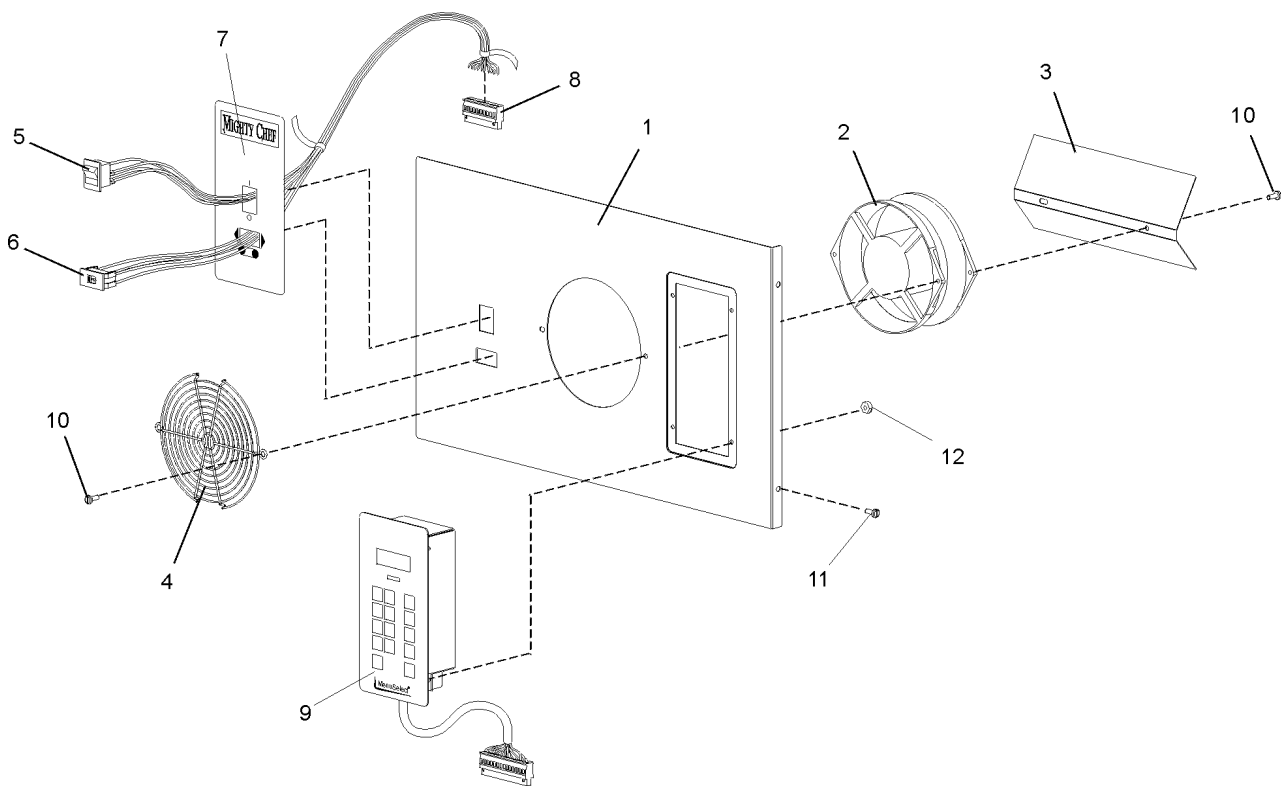
Not shown: Item 26  
 39356 - Filter - Capacitor  
 Not shown: Item 27  
 38631 - Fuse .5A  
 (between 12v transformer  
 & menu select)

See pg. 14-15

## Parts for Front & Rear Components

| ITEM       | P/N        | QUANTITY                                |   |                                      |  | DESCRIPTION  |
|------------|------------|---|---|--------------------------------------|--|--|
|            |            | TCO21 14 (UL)<br>208V<br>50/60 Hz, 1 Ph | TCO21 14 (UL)<br>240V<br>50/60 Hz, 1 Ph | TCO21 14 (CE)<br>230V<br>50 Hz, 1 Ph | TCO21 14 (CE)<br>380-400V<br>50 Hz, 3 Ph |  |
| 1          | 46504      | 2                                       | --                                      | --                                   | --                                       | HEATER ASSEMBLY, 208V/2500W                          |
| 1          | 46505      | --                                      | 2                                       | 2                                    | 2  | HEATER ASSEMBLY, 230V/2500W                          |
| 2          | 46503      | 2                                       | 2                                       | 2                                    | 2  | THERMOCOUPLE   |
| 3          | 30697      | 1                                       | 1                                       | 1                                    | 1  | TRANSFORMER, 230V/115V 50VA                          |
| 4          | 37351      | 1                                       | 1                                       | 1                                    | 1  | CONNECTOR, 10-PIN FEMALE                             |
| 5          | 35818      | 1                                       | 1                                       | 1                                    | 1  | TRANSFORMER, 230V/12V                                |
| 6          | 38469      | 2                                       | 2                                       | 2                                    | 2  | SOLID STATE RELAY, 240V/25A                          |
| 7          | 220009     | 2                                       | 2                                       | 2                                    | 2  | GASKET, SILICON                                      |
| 8          | 3430108A   | 2                                       | 2                                       | 2                                    | 2  | VARISTOR   |
| 9          | 3000639    | 1                                       | 1                                       | 1                                    | --                                       | CONTACTOR, 2-POLE 35A-208/240V                       |
| 9          | 3000647    | --                                      | --                                      | --                                   | 1  | CONTACTOR, 4-POLE 50A                                |
| 10         | 33406      | 1                                       | 1                                       | --                                   | --                                       | TERMINAL BLOCK (FRONT), 3-POLE                       |
| 11         | 37789      | 1                                       | 1                                       | 1                                    | 1  | CONNECTOR, 17-PIN FEMALE                             |
| 12         | 2001371    | A/R                                     | A/R                                     | A/R                                  | A/R                                      | NUT, KEPS 10-32                                      |
| 13         | 3510A12    | 4                                       | 4                                       | 4                                    | 4  | SCREW, MS SLT PAN HD 5-40 X 1/2"                     |
| 14         | 2000023    | A/R                                     | A/R                                     | A/R                                  | A/R                                      | SCREW, MS SLT HEX WSHR HD 6-32 X 1/4"                |
| 15         | 39004      | 4                                       | 4                                       | 2                                    | 2  | SCREW, T/S SHLDR THB 10-32 X 3/8"                    |
| 16         | 38079      | 1                                       | 1                                       | 1                                    | 1  | TSTAT, SNAP DISC NO (CLOSE 250°F/121°C)              |
| 17         | 30519      | 1                                       | 1                                       | 1                                    | 1  | TSTAT, SNAP DISC NC (OPEN 250°F/121°C)               |
| 18         | 33813      | --                                      | --                                      | 1                                    | 1  | RFI FILTER   |
| 19         | 38688      | --                                      | --                                      | 1                                    | 1  | BRACKET, RFI FILTER                                  |
| 20         | K1DS195    | --                                      | --                                      | 8                                    | 8  | SCREW, MS SLT PAN HD 5-40 X 1/4"                     |
| 21         | 30140      | 1                                       | 1                                       | 1                                    | 1  | FUSEBLOCK  |
| 22         | 28154-0009 | 2                                       | 2                                       | 2                                    | 2  | FUSE, TYPE CC, 5A/600V                               |
| 23         | 33406      | 1                                       | 1                                       | --                                   | --                                       | TERMINAL BLOCK (REAR), 3-POLE                        |
| 23         | 39258      | 1                                       | 1                                       | 1                                    | 1  | TERMINAL BLOCK (REAR), 5-POLE                        |
| 24         | 27276-0002 | 1                                       | 1                                       | 1                                    | 1  | CABLE CLAMP, NYLON, 5/8"                             |
| 25         | 31791      | 1                                       | 1                                       | 1                                    | 1  | CABLE CLAMP, 3/4"                                    |
| Not Shown: |            |   |   |                                      |  |  |
| 26         | 39356      | --                                      | --                                      | --                                   | 1  | FILTER - CAPACITOR                                   |
| 27         | 38631      | 1                                       | 1                                       | 1                                    | 1  | FUSE - .5A (BETWEEN 12V<br>TRANSFORMER & MENU SELECT |
| --         | 37350      | 1                                       | 1                                       | --                                   | --                                       | CORD AND PLUG (NEMA 6-30P)                           |
| --         | 30641      | --                                      | --                                      | 1                                    | --                                       | CORD AND PLUG (IEC 309 STYLE)                        |
| --         | 38295      | 1                                       | 1                                       | --                                   | --                                       | WIRESET (UL VERSIONS)                                |
| --         | 38705      | --                                      | --                                      | 1                                    | --                                       | WIRESET (CE 230V 1 Ph VERSION)                       |
| --         | 38797      | --                                      | --                                      | --                                   | 1  | WIRESET (CE 380-400V 3 Ph VERSION)                   |

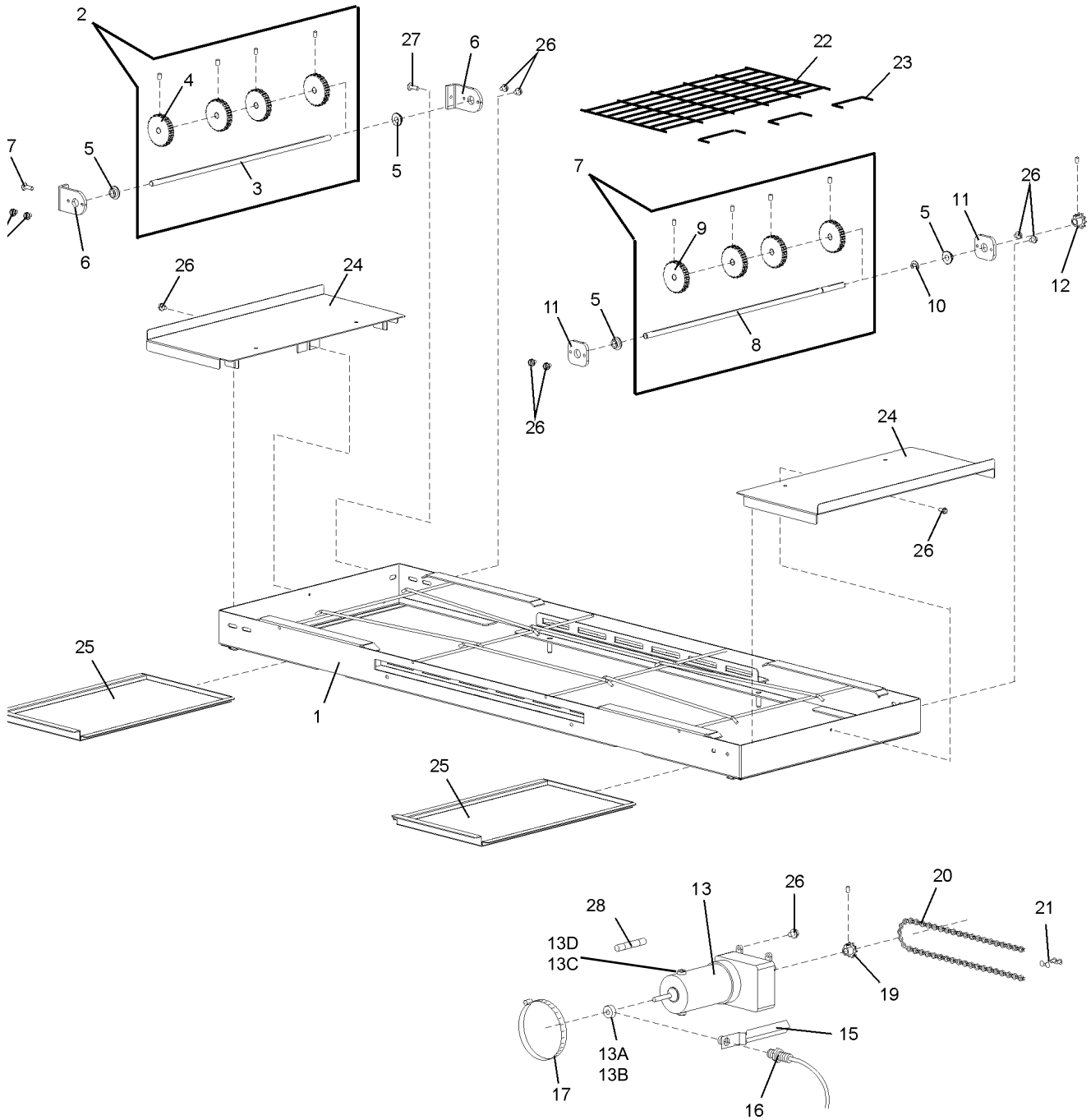
# View of Front Panel and Control Components



## Parts for Front Panel and Control Components

| ITEM | P/N     | QTY. | DESCRIPTION                           |
|------|---------|------|---------------------------------------|
| 1    | 37961   | 1    | FRONT PANEL                           |
| 2    | 38471   | 1    | COOLING FAN                           |
| 3    | 38276   | 1    | COOLING FAN AIR DEFLECTOR             |
| 4    | 31497   | 1    | COOLING FAN GRILL - 6" DIAMETER       |
| 5    | 35824   | 1    | POWER ON/OFF (I/O) SWITCH             |
| 6    | 37646   | 1    | CONVEYOR REVERSING SWITCH             |
| 7    | 45402   | 1    | DECAL, SWITCH LABELS, SELF-ADHESIVE   |
| 8    | 38214   | 1    | CONNECTOR, 10-PIN MALE                |
| 9    | 37349   | 1    | MENUSELECT® CONTROL                   |
| 10   | 220282  | 4    | SCREW, SLT TRS HD 10-32 X 1/2", BLACK |
| 11   | 2000096 | 2    | SCREW, MS SLT TRS HD 10-32 X 3/8"     |
| 12   | 2001347 | 4    | NUT, KEPS 8-32                        |

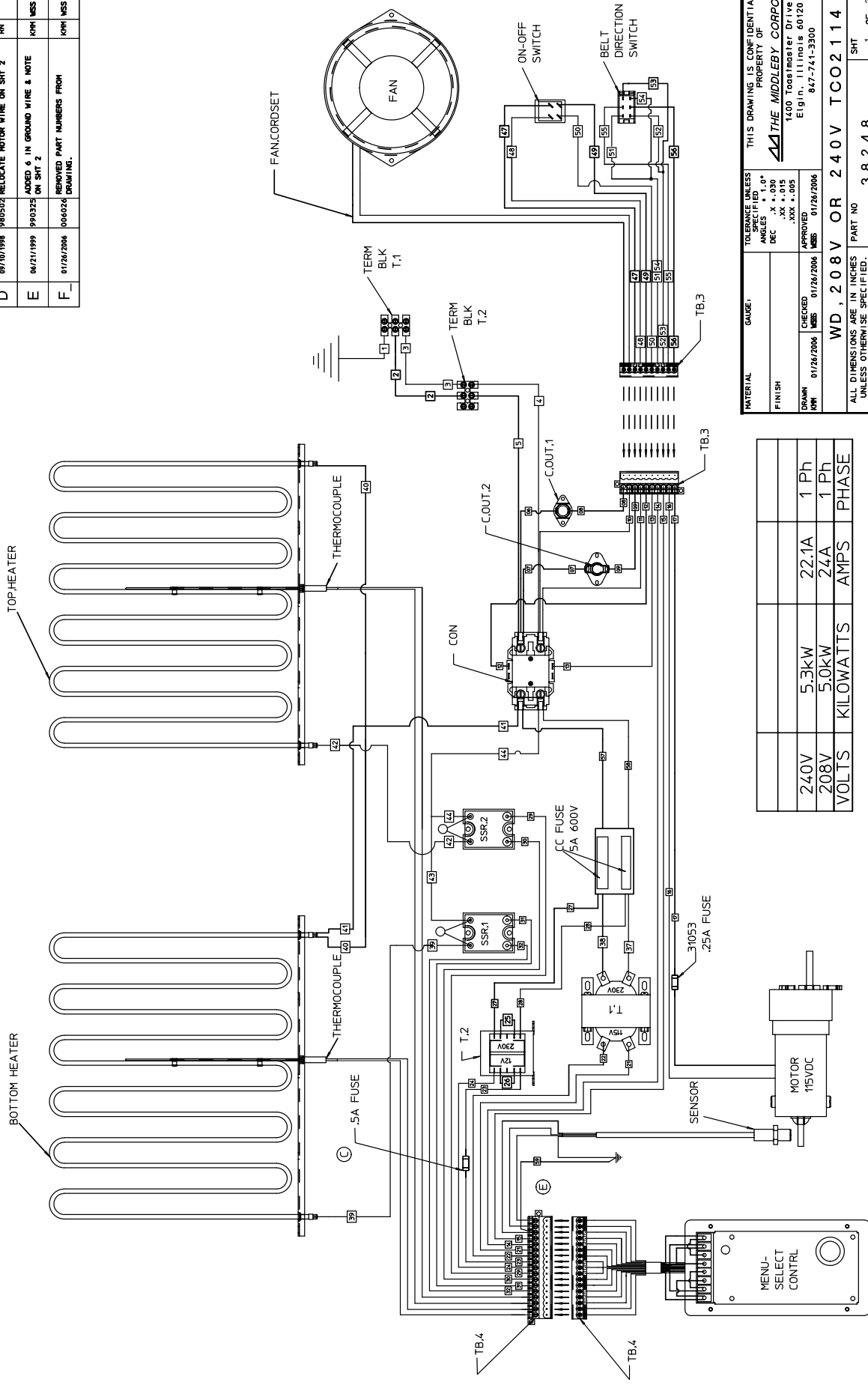
# View of Conveyor System



## Parts for Conveyor System

| ITEM | P/N        | QTY. | DESCRIPTION                              |
|------|------------|------|--|
| 1    | 37309      | 1    | CONVEYOR FRAME                           |
| 2    | 37316      | 1    | IDLER SHAFT ASSEMBLY                     |
| 3    | 36745      | 1    | IDLER SHAFT                              |
| 4    | 37950      | 4    | SPROCKET W/SET SCREW                     |
| 5    | 36742      | 4    | BUSHING                                  |
| 6    | 36729      | 2    | IDLER BEARING BLOCK/TENSIONER            |
| 7    | 37315      | 1    | DRIVE SHAFT ASSEMBLY                     |
| 8    | 37314      | 1    | DRIVE SHAFT                              |
| 9    | 37950      | 4    | SPROCKET W/SET SCREW                     |
| 10   | 3102930    | 1    | RETAINING CLIP, E-RING, 5/16"            |
| 11   | 36733      | 2    | DRIVE BEARING BLOCK                      |
| 12   | 34129      | 1    | SPROCKET, DRIVE SHAFT, 12T W/SET SCREW   |
| 13   | 58390      | 1    | MOTOR, CONVEYOR DRIVE WITH 2-POLE MAGNET |
| 13A  | 39002      | 1    | MAGNET 2-POLE                            |
| 13B  | 310-0017   | 1    | ADHESIVE                                 |
| 13C  | 300-2757   | 1    | CONVEYOR DRIVE MOTOR- ONLY               |
| 13D  | 58484      | 1    | KIT, 2 BRUSHES & 2 CAPS                  |
| 13E  | 30153      | 1    | BRUSH, SOLD INDIVIDUALLY, QTY 2 REQUIRED |
| 15   | 22450-0248 | 1    | BRACKET, SENSOR MOUNTING                 |
| 16   | 38185      | 1    | PICKUP SENSOR ASSEMBLY                   |
| 17   | 220416     | 1    | CLAMP, SENSOR MOUNTING                   |
| 19   | 38216      | 1    | SPROCKET, DRIVE MOTOR, 10T W/SET SCREW   |
| 20   | 39003      | 1    | DRIVE CHAIN, #25, COMPLETE               |
| 21   | 3101212    | 1    | MASTER LINK, #25                         |
| 22   | 38247      | 1    | CONVEYOR BELT, COMPLETE (7 FT./2.13m )   |
| 23   | 38246      | 3    | MASTER LINK, CONVEYOR BELT               |
| 24   | 38257      | 2    | END TRAY                                 |
| 25   | 36686      | 2    | CRUMB TRAY                               |
| 26   | 2000177    | A/R  | SCREW, MS SLT HEX WSHR HD 10-32 X 1/4"   |
| 27   | 35817      | 2    | SCREW, TRS HD 10-32 X 5/8" SS            |
| 28   | 31053      | 1    | FUSE .25A                                |

| REV | DATE       | ECN    | REVISION DESCRIPTION                   | BY  | CHK | DATE       |
|-----|------------|--------|--|-----|-----|------------|
| D   | 09/10/1998 | 980552 | RELOCATE MOTOR WIRE ON SHT 2           | RN  |     |            |
| E   | 04/21/1999 | 990325 | ADDED 4 IN GROUND WIRE & NOTE ON SHT 2 | KMH | WSS | 04/21/1999 |
| F   | 01/26/2006 | 060626 | REMOVED PART NUMBERS FROM DRAWING.     | KMH | WSS | 01/26/2006 |



| MATERIAL | GAGE:      | TOLERANCES UNLESS SPECIFIED: | THIS DRAWING IS CONFIDENTIAL AND PROPERTY OF  |            |
|----------|------------|------------------------------|---|------------|
| FINISH   |            | ANGLES ± 1.0°                | <br><b>THE MIDDLEBY CORPORATION</b><br>1400 Toadmaster Drive<br>Elgin, Illinois 60120<br>847-741-3300 |            |
|          |            | DEC .X ± .030                |   |            |
|          |            | XXX ± .005                   |   |            |
| DRAWN    | CHECKED    | APPROVED                     | DATE  | DATE       |
| KMH      | 01/26/2006 | WSS                          | 01/26/2006  | 01/26/2006 |

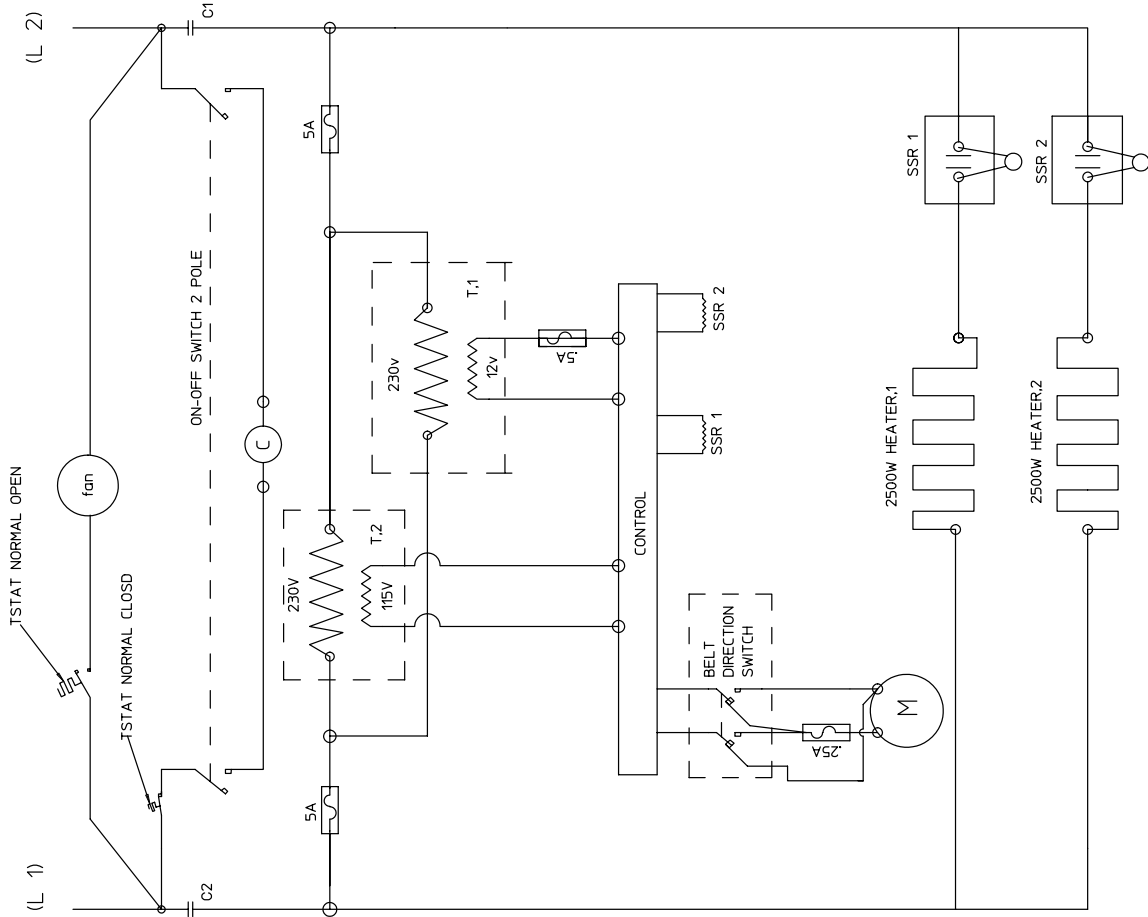
|       |           |       |       |
|-------|-----------|-------|-------|
| 240V  | 5.3kW     | 22.1A | 1 Ph  |
| 208V  | 5.0kW     | 24A   | 1 Ph  |
| VOLTS | KILOWATTS | AMPS  | PHASE |

| REV | DATE | ECN | REVISION DESCRIPTION | BY | CHK | DATE |
|-----|------|-----|----------------------|----|-----|------|
|     |      |     |                      |    |     |      |

| MATERIAL | GAGE:      | TOLERANCES UNLESS SPECIFIED: | THIS DRAWING IS CONFIDENTIAL AND PROPERTY OF  |            |
|----------|------------|------------------------------|---|------------|
| FINISH   |            | ANGLES ± 1.0°                | <br><b>THE MIDDLEBY CORPORATION</b><br>1400 Toadmaster Drive<br>Elgin, Illinois 60120<br>847-741-3300 |            |
|          |            | DEC .X ± .030                |   |            |
|          |            | XXX ± .005                   |   |            |
| DRAWN    | CHECKED    | APPROVED                     | DATE  | DATE       |
| KMH      | 01/26/2006 | WSS                          | 01/26/2006  | 01/26/2006 |

| REV | DATE | ECN | REVISION DESCRIPTION | BY | CHK | DATE |
|-----|------|-----|----------------------|----|-----|------|
|     |      |     |                      |    |     |      |

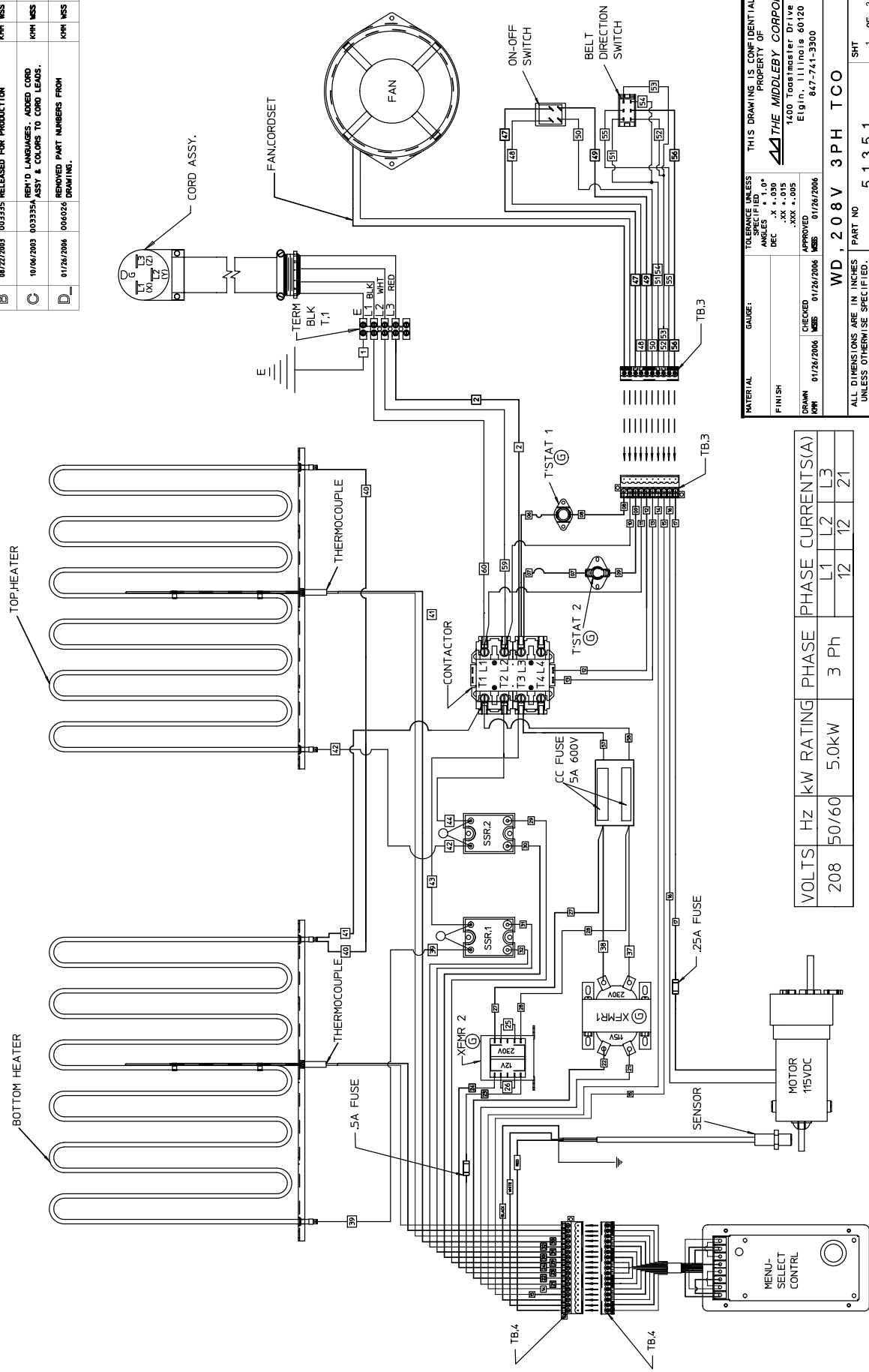
| REV | DATE | ECN | REVISION DESCRIPTION | BY | CHK | DATE |
|-----|------|-----|----------------------|----|-----|------|
|     |      |     |                      |    |     |      |



ⓔ NOTE: WD LABEL P/N 38415

|   |         |                          |                |  |  |
|---|---------|--------------------------|----------------|--|--|
| TOLERANCE UNLESS SPECIFIED  |         | DRAWN                    |                | THIS DRAWING IS CONFIDENTIAL AND PROPERTY OF |  |
| ANGLES  | ± 1.0°  | DATE                     | 01/26/2006     | THE MIDDLEBY CORPORATION                     |  |
| DEC   | .X .030 | CHECKED                  | WSS 01/26/2006 | 1400 Toastmaster Drive                       |  |
| INCH  | ± .005  | APPROVED                 | WSS 01/26/2006 | Egin, Illinois 60120                         |  |
| MILL  | ± .005  |                          |                | 847-741-3300                                 |  |
|   |         | WD, 208V OR 240V TCO2114 |                | SHT 2 OF 2                                   |  |
| ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED. GD NOT SCALE DRAWING |         | PART NO 38248            |                | REV F  |  |

| REV | DATE       | ECN     | REVISION DESCRIPTION   | BY  | CHK | DATE       |
|-----|------------|---------|--|-----|-----|------------|
| B   | 07/27/2003 | 003335  | RELEASED FOR PRODUCTION                                      | KMH | NSS | 09/02/2003 |
| C   | 10/04/2003 | 003335A | REV'D LANGUAGES, ADDED CORD ASSEMBLY & COLORS TO CORD LEADS. | KMH | NSS | 10/13/2003 |
| D   | 01/26/2006 | 006026  | REMOVED PART NUMBERS FROM DRAWING.                           | KMH | NSS | 01/26/2006 |



TOLERANCE UNLESS SPECIFIED  
 ANGLES 1.0°  
 DEC .X .030  
 .XXX .005  
 APPROVED  
 01/26/2006  
 01/26/2006

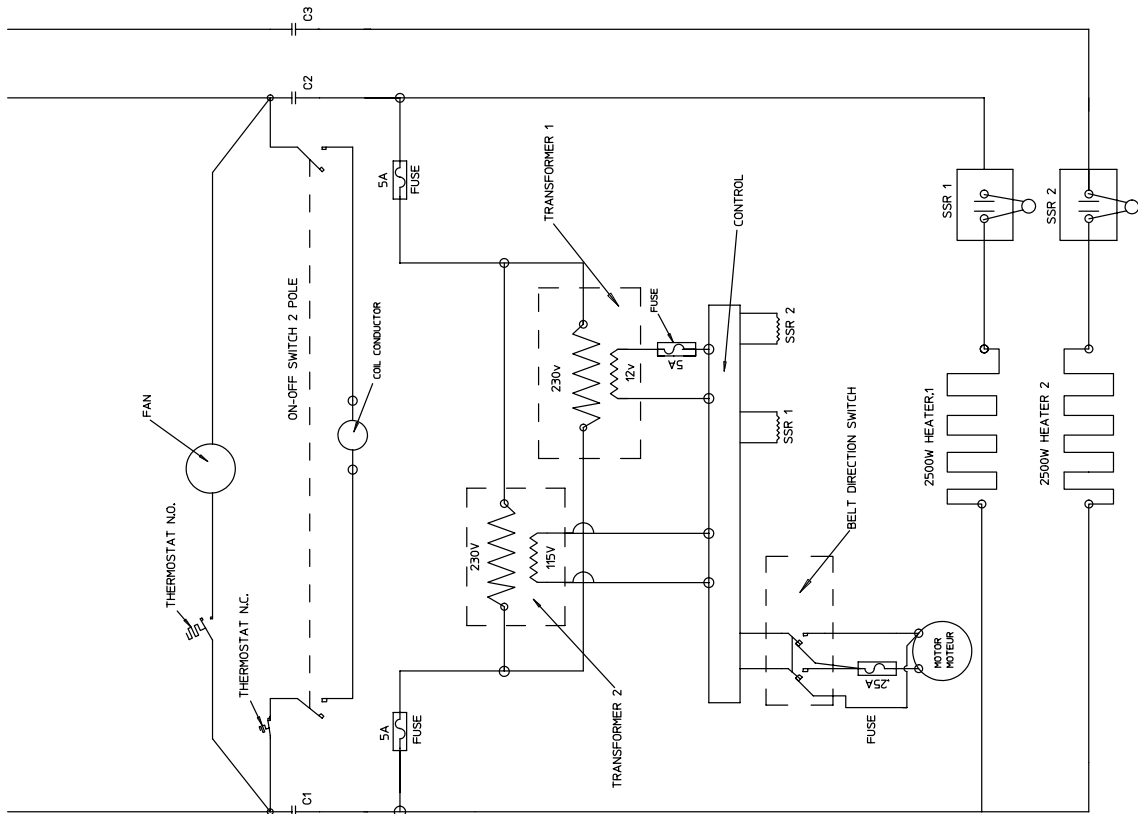
THIS DRAWING IS CONFIDENTIAL AND PROPERTY OF  
**THE MIDDLEBY CORPORATION**  
 1400 Taabingster Drive  
 Elgin, Illinois 60120  
 847-741-3300

MATERIAL GAUGE: WD .208V 3PH TCO  
 FINISH  
 DRAWN KMH  
 CHECKED  
 01/26/2006  
 PART NO 51351  
 SHT 1 OF 2  
 REV D

| VOLTS | HZ    | kW    | RATING | PHASE | PHASE CURRENTS(A) |    |
|-------|-------|-------|--------|-------|-------------------|----|
| 208   | 50/60 | 5.0kW | 3 Ph   | L1    | L2                | L3 |
|       |       |       |        | 12    | 12                | 21 |

(L 1) (L 2)

(L 3)

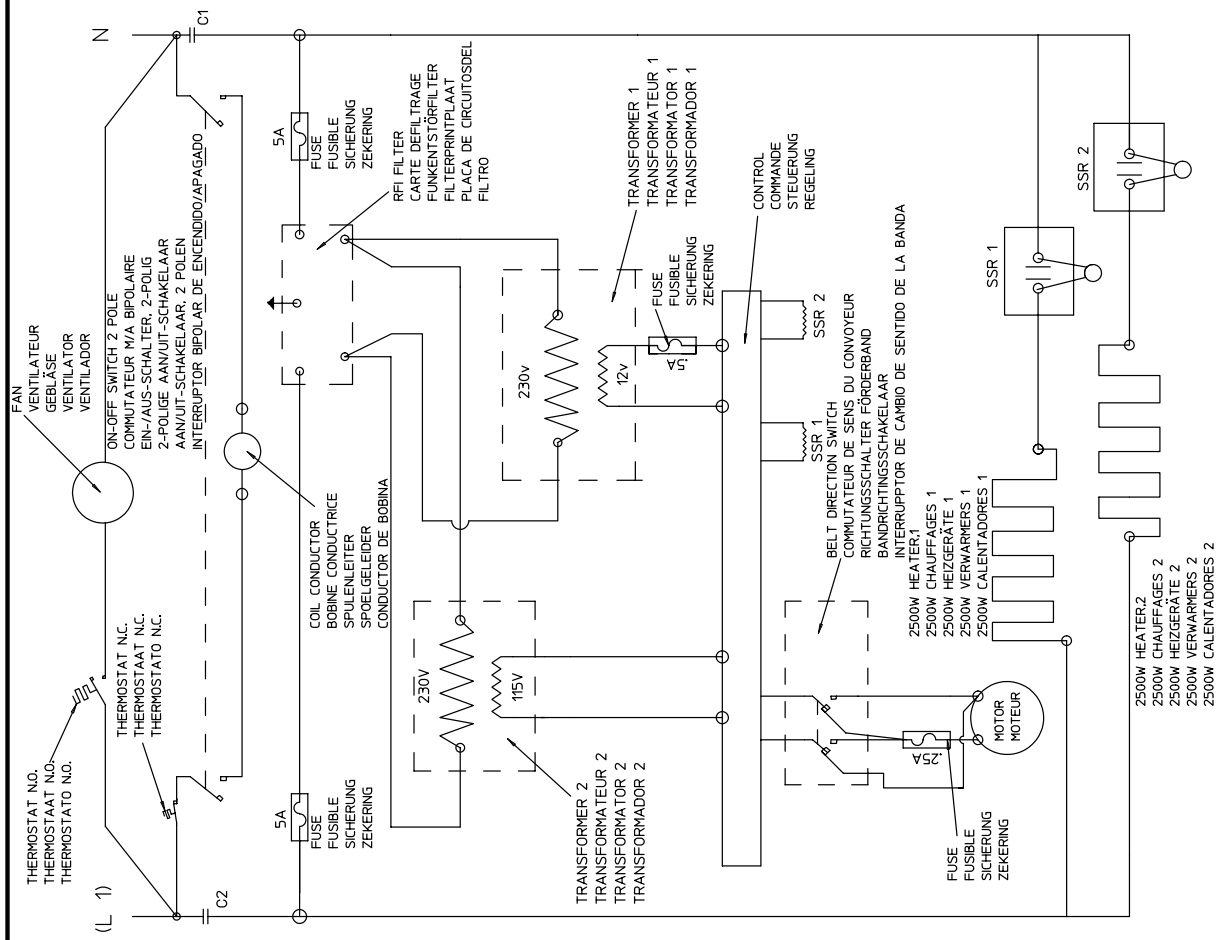


NOTE: 1) WD LABEL P/N 51361  
 2) ALL WIRES TO BE #18 AWG.  
 UNLESS OTHERWISE SPECIFIED.

|                            |          |            |  |
|----------------------------|----------|------------|--|
| TOLERANCE UNLESS SPECIFIED | DRAWN    | DATE       | THIS DRAWING IS CONFIDENTIAL AND PROPERTY OF |
| ANGLE ± 1.0°               | KHM      | 01/26/2006 | THE MIDDLEBY CORPORATION                     |
| DEC ± .030                 | CHECKED  |            | 1400 Toolemaster Drive                       |
| REC ± .015                 | MSS      | 01/26/2006 | Elgin, Illinois 60120                        |
| .XXX ± .005                | APPROVED |            | 847-741-3300                                 |

WD, 208V 3PH TCO  
 ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.  
 DO NOT SCALE DRAWING





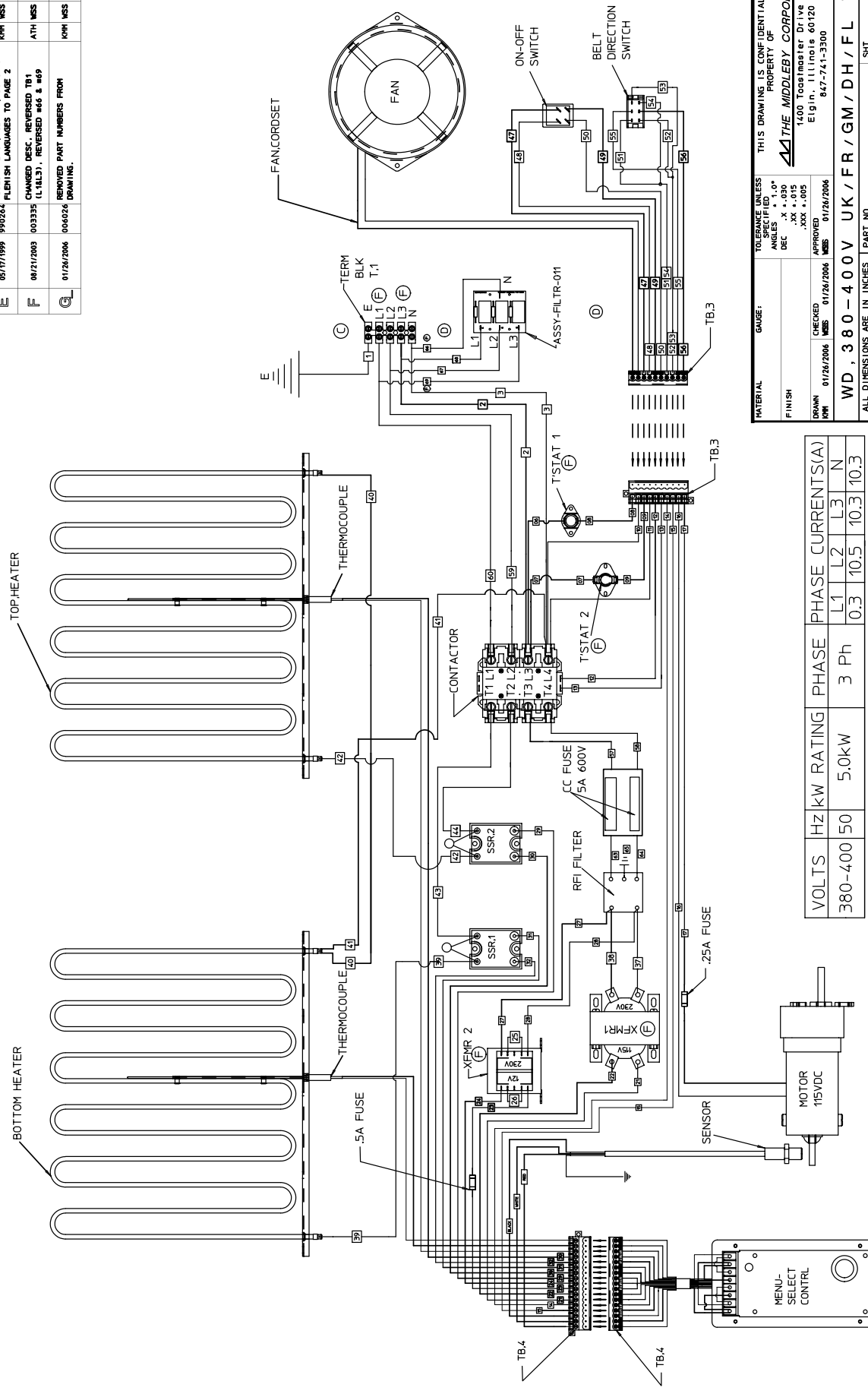
NOTE: 1) WD LABEL P/N 38704.  
 2) ALL WIRES ARE TO BE #18 AWG.  
 UNLESS OTHERWISE SPECIFIED.

|                            |          |            |
|----------------------------|----------|------------|
| TOLERANCE UNLESS SPECIFIED | DRAWN    | DATE       |
| ANGLES                     | AJ       | 02/21/2006 |
| DEC                        | CHECKED  |            |
| .XX                        | APPROVED |            |
| .XXX                       |          |            |

THIS DRAWING IS CONFIDENTIAL AND NOT TO BE REPRODUCED WITHOUT THE MIDDLEBY CORPORATION  
 11000 Toussaint Drive  
 Elgin, Illinois 60120  
 847-741-3300

WD . 2 3 0 / 5 0 UK / FR / GM / DH / FL / SP / TCO  
 ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.  
 DO NOT SCALE DRAWING  
 PART NO 3 8 7 0 3  
 SHIT 2 OF 2  
 REV E

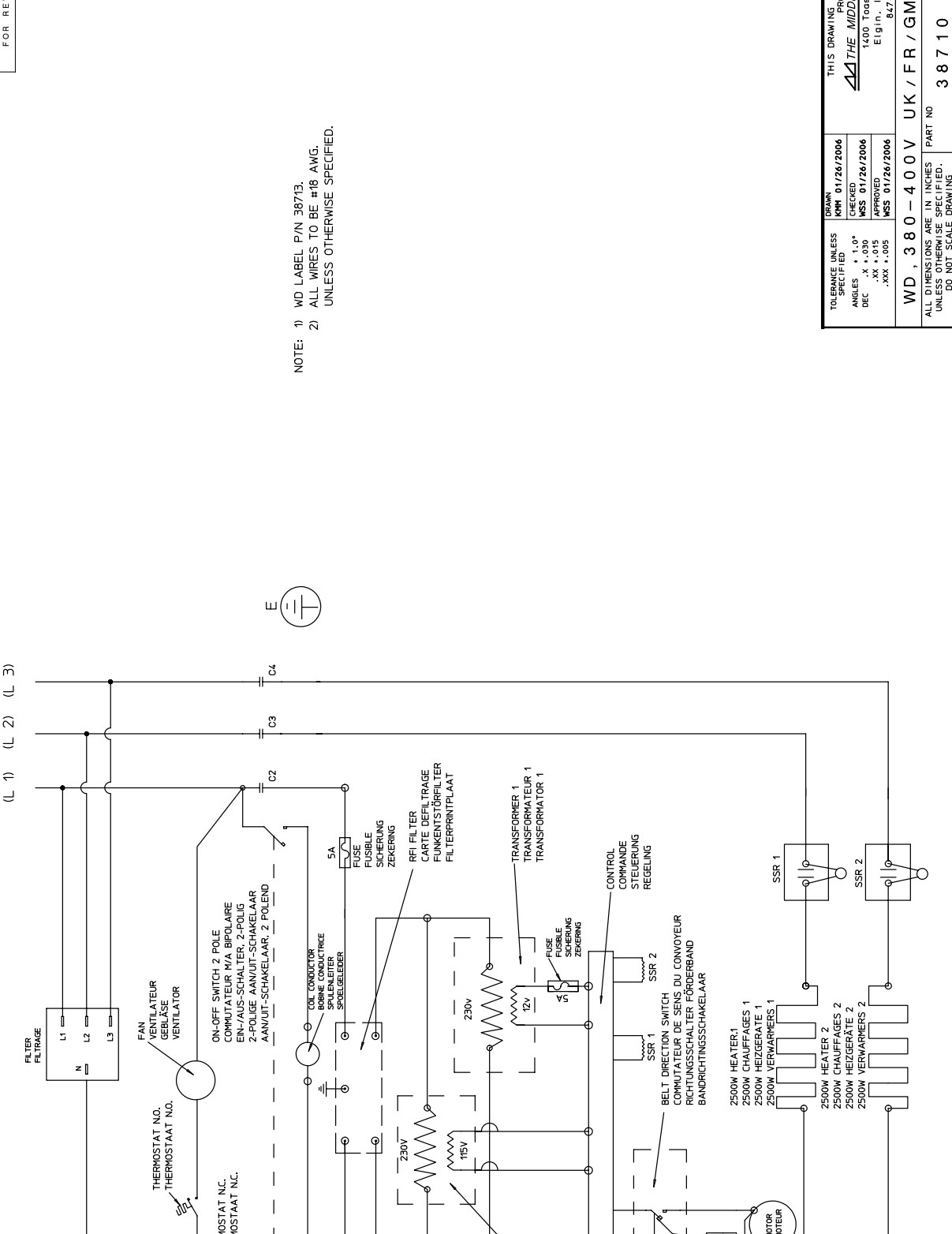
| REV | DATE       | ECN    | REVISION DESCRIPTION                                     | BY  | CHK | DATE       |
|-----|------------|--------|--|-----|-----|------------|
| E   | 05/17/1999 | 990264 | ADDED FRENCH, GERMAN, DUTCH & FINISH LANGUAGES TO PAGE 2 | KMH | WSS | 05/21/1999 |
| F   | 08/21/2003 | 003335 | CHANGED DESC. REVERSED TB1 L1,L3, REVERSED #66 & #69     | ATH | WSS | 09/02/2003 |
| G   | 01/26/2006 | 006026 | REMOVED PART NUMBERS FROM DRAWING.                       | KMH | WSS | 01/26/2006 |



| MATERIAL   | GAUGE   | TOLERANCE UNLESS SPECIFIED | THIS DRAWING IS CONFIDENTIAL AND PROPERTY OF  |       |            |        |
|--|---------|----------------------------|---|-------|------------|--------|
| FINISH   |         | ANGLES .X ± .030           | <br><b>THE MIDDLEBY CORPORATION</b><br>1400 Torrinoaster Drive<br>Elgin, IL 60120<br>847-741-3300 |       |            |        |
| DRAWN  | CHECKED | .XX ± .015                 |   |       |            |        |
| KMH  | WSS     | .XX ± .005                 |   |       |            |        |
| 01/26/2006   |         | 01/26/2006                 | APPROVED  | WSS   | 01/26/2006 |        |
| WD, 380-400V UK / FR / GM / DH / FL TCO                  |         |                            | PART NO   | 38710 | SHT        | 1 OF 2 |
| ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED. |         |                            | DO NOT SCALE DRAWING.   |       |            | G      |

| VOLTS   | Hz | KW RATING | PHASE | PHASE CURRENTS(A)  |
|---------|----|-----------|-------|--------------------|
| 380-400 | 50 | 5.0kW     | 3 Ph  | L1 L2 L3 N         |
|         |    |           |       | 0.3 10.5 10.3 10.3 |

(L 1) (L 2) (L 3)



NOTE: 1) WD LABEL P/N 38713.  
 2) ALL WIRES TO BE #18 AWG.  
 UNLESS OTHERWISE SPECIFIED.

|                            |  |  |  |
|----------------------------|--|--|--|
| TOLERANCE UNLESS SPECIFIED |  | DRAWN<br>MM 01/26/2006<br>CHECKED<br>+ 1.0°<br>.X +.030<br>.XX +.015<br>.XX +.005<br>APPROVED<br>MS 01/26/2006 | THIS DRAWING IS CONFIDENTIAL AND PROPERTY OF<br><b>THE MIDDLEBY CORPORATION</b><br>1400 Toastmaster Drive<br>Elgin, Illinois 60120<br>847-741-3300 |
| WD, 380-400V               |  | UK / FR / GM / DH / FL / TC  | PART NO<br>38710<br>SHT<br>2 OF 2<br>REV<br>G  |





