



**CHEF BASE**  
**PRODUCT MANUAL**



## Installation and General Information:



CAUTION

DO NOT WALK OR STAND ON TOP OF DRAWERS FOR ANY REASON or damage to the case and serious personal injury could occur. THEY ARE NOT STRUCTURALLY DESIGNED TO SUPPORT EXCESSIVE EXTERNAL LOADING such as the weight of a person.



IMPORTANT

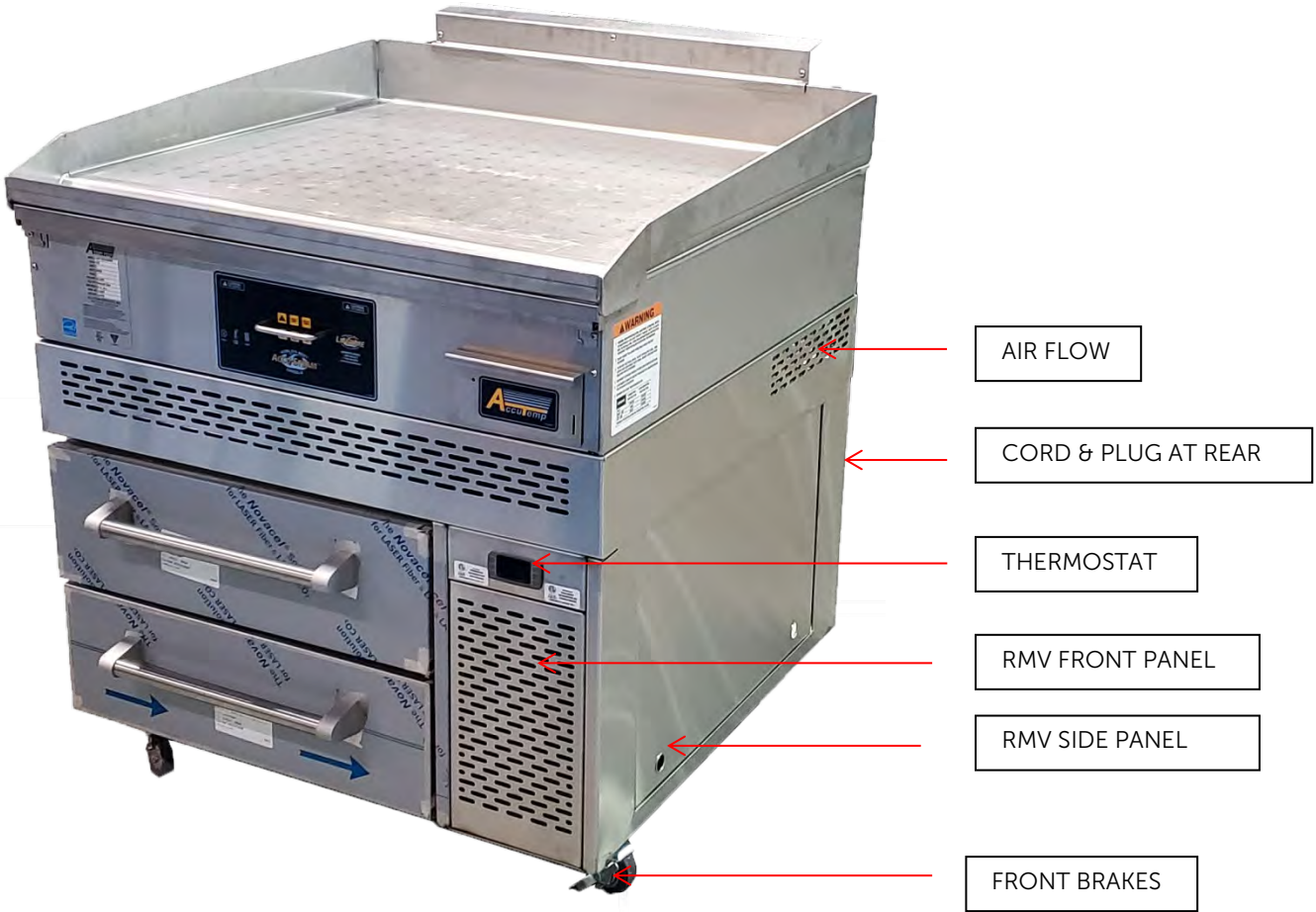
### **Handling of Griddle stand**

- This self-contained case is manufactured with heavy duty casters mounted permanently to the base for ease of mobility when unloading and moving around for placement in the proper location.
- If a PALLET JACK IS USED TO MOVE THE CASE, USE A SPOTTER TO GUIDE FORKS in place to prevent damage to electrical, plumbing, and refrigeration lines.

## TABLE OF CONTENTS

Safety Notice	2
Product Specification Sheet	4
Technical Date RB36	5
Technical Date FB36	6
Technical Date RB48	7
Technical Date FB48	8
Pan Layouts Options	9
General Preventive Maintenance	10
Periodic Cleaning Procedure	11
Troubleshooting Chart	12
Troubleshooting Chart Cont.	13
Warranty	14

# PRODUCT SPECIFICATION SHEET



## Technical Data

Model No. ( REFRIGERATION )	RB36
Length	35.625"
Height with casters	27.25"
Depth	33.75"
Operating temperature	37°F to 40°F
Refrigerant (expansion valve)	R404A
Compressor size HP	1/4
Defrost per day (24 hours)	Auto
Voltage	115
Amperage	5.6
Cord and plug - Condensing Unit	L5-15P
Number of drawers	2

## Technical Data

Model No. ( FREEZER )	FB36
Length	35.625"
Height with casters	27.25"
Depth	33.75"
Operating temperature	0°F to 3°F
Refrigerant (expansion valve)	R404A
Compressor size HP	1/4
Defrost per day (24 hours)	4
Voltage	115
Amperage	6.4
Cord and plug - Condensing Unit	L5-15P
Number of drawers	2

## Technical Data

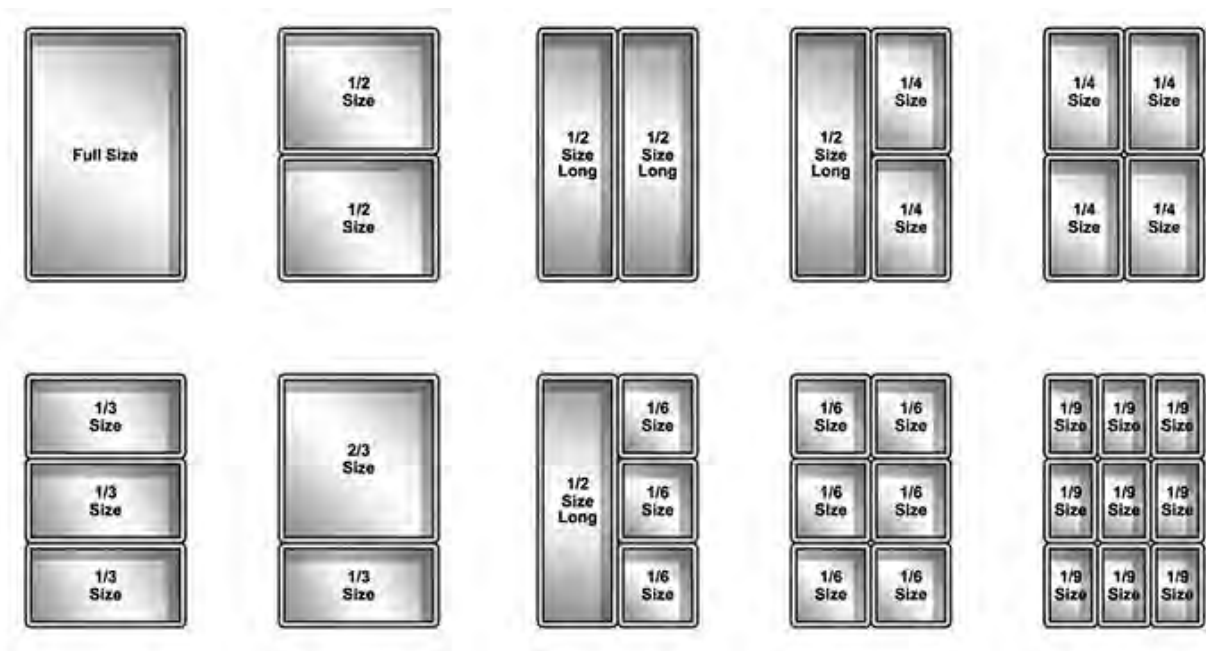
Model No. ( REFRIGERATION )	RB48
Length	47.625"
Height with casters	27.25"
Depth	33.75"
Operating temperature	37°F to 40°F
Refrigerant (expansion valve)	R404A
Compressor size HP	1/4
Defrost per day (24 hours)	
Voltage	115
Amperage	5.6
Cord and plug - Condensing Unit	L5-15P
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## PAN LAYOUTS (FULL SIZE PANS OPTIONS)



Please note - each drawer is only supplied with one pan rail as standard. More pan rails can be purchased separately to create all layouts seen above.

## **General Preventive Maintenance**

Performance of the air cooled condenser coil located inside of the condensing unit compartment of your new unit depends primarily on the amount of air passing through the condenser fins.

1. Your case will run more efficiently, consume less energy, and provide maximum trouble free service throughout its lifetime if the condenser is kept clean and an adequate supply of clean air is provided at all times. Once a month, inspect the condenser coil and check for blockage.

To access the condenser coil remove front panel.

If the condenser coil is dirty or blocked, disconnect the power supply to your unit and remove the dirt from the condenser fins. Using a vacuum cleaner with a brush attachment may help in the cleaning process. After cleaning, restore electrical service to your unit.

2. Each unit has a drain tube located inside the condenser compartment that removes the condensation from the evaporator coil housing and routes it to an external condensate pan. The drain tube can become loose or disconnected during normal use. If you notice water is collecting underneath the unit, be sure the drain tube is connected to the evaporator drain pan and is discharging water into the condenser drain pan.

## **Periodic Cleaning Procedure**

It is best to clean your unit when the product load is at its lowest level. To clean the interior or exterior cabinet surfaces, the following procedure is recommended:

1. Disconnect your unit from its power supply and remove all food products from inside the drawers.
2. Allow the cabinet to reach room temperature. Remove drawers. Use a sponge to wash the interior, exterior, and accessories with a baking soda and warm water solution. Rinse thoroughly with clear water and dry with a soft clean cloth.
3. Return all accessories to their respective positions and reconnect electric power supply to the unit.
4. Energize unit and allow appropriate amount of time to reach normal operating temperature before returning food product to display case.

**Important Note:** Failure to dry all surfaces completely may cause water stains or streaking on stainless steel finish.

## **Precautions**

1. Never use harsh detergents, cleaners, scouring powders, or chemicals when cleaning your unit.
2. Strong bleaches tend to corrode many materials and should never come in contact with stainless steel.
3. Tincture of iodine, or iron should not come in contact with stainless steel. These solutions, which cause stainless steel to discolor, should be rinsed off immediately if contact occurs.
4. Gritty, hard abrasives will mar the finish of stainless steel and are not recommended.

# Troubleshooting Chart

A.) Compressor will not start - no hum.

Possible Causes:

1. Disconnect switch open
2. Blown fuse
3. Defective wiring
4. Overload protector tripped
5. Open control contacts (control may be defective, or unit location may be too cold)
6. Defective overload protector

B.) Compressor will not start – hums, but cycles on overload.

Possible Causes:

1. Low voltage
2. Unit wired incorrectly
3. Starting capacitor defective
4. Starting relay contact not closing
5. Compressor motor defective
6. High head pressure
7. Bearings on pistons tight - low oil charge

C.) Compressor starts, but starting winding remains in circuit.

Possible Causes:

1. Low voltage
2. Unit wired incorrectly
3. Starting capacitor weak
4. Running capacitor defective
5. Starting relay defective
6. Compressor motor defective
7. High head pressure

D.) Compressor starts and runs but cycles on overload.

Possible Causes:

1. Low voltage
2. Running capacitor defective
3. Overload protector defective

4. High head pressure
5. Fan motor, pump, etc., wired to wrong side of overload protector
6. Compressor motor partially grounded
7. Bearing or pistons tight - low oil charge

E.) Compressor short cycles.

Possible Causes:

1. Control differential set too close
2. Refrigerant undercharge
3. Refrigerant overcharge
4. Discharge valve leaking
5. Expansion valve leaking
6. Cutting out on high pressure control
7. Cutting out on overload protector because of tight bearings, stuck piston, high head pressure or restricted air cooled condenser

F.) Compressor tries to start when thermostat closes but cuts out on overload, starts after several attempts.

Possible Causes:

1. Low voltage
2. Thermostat differential too close (lower than 10°)
3. Thermostat bulb not in tight contact with evaporator

G.) Running cycle too long, or unit operating continuously.

Possible Causes:

1. Insufficient refrigerant charge
2. Dirty or restricted condenser
3. Unit: location too hot
4. Air or other non-condensable gases in system.
5. Expansion valve plugged or defective
6. Evaporator coil plugged with ice or dirt

## Troubleshooting Chart Cont.

### H.) Evaporator temperature too high

Possible Causes:

1. Shortage of refrigerant, or leak on system
2. Restricted capillary tube, strainer or drier
3. Control setting too high
4. Expansion valve restricted
5. Expansion valve too small
6. Evaporator coil plugged with ice or dirt
7. Evaporator oil logged

### I.) Noisy Unit

Possible Causes:

1. Compressor oil charge low
2. Fan blade bent causing vibration
3. Fan motor bearings loose or worn
4. Tube rattle
5. Loose parts on condensing unit

### J.) Liquid line hot

Possible Causes:

1. Unit undercharged or leak in system
2. Expansion valve opened too far

### K.) Liquid line frosted

Possible Causes:

1. Restriction in drier
2. Shut off valve on receiver either partially closed or restricted

### L.) Suction line sweating or frosted

Possible Causes:

1. Expansion valve open too wide
2. Evaporator iced up
3. Evaporator fan motors not operating

# Product Limited Warranty

U.S. & Canada Only

## **LIMITED WARRANTY**

### **One Year Parts and Labor**

AccuTemp Products, Inc. (AccuTemp) warrants that your AccuTemp equipment will be free of defects in material and workmanship under normal use for a period of twelve (12) months from installation or fifteen (15) months from date of shipment from AccuTemp, whichever date first occurs (the Warranty Period). Registration of AccuTemp equipment is required at the time of installation. Damage to AccuTemp equipment that occurs during shipment must be reported to the carrier, and is not covered under this warranty. The reporting of any damage during shipment is the sole responsibility of the commercial purchaser/user of such AccuTemp equipment.

AccuTemp provides an active service department, which should be contacted and advised of service issues, regardless of the warranty period. During the warranty period, AccuTemp agrees to repair or replace, at its option, F.O.B. factory, any part which proves to be defective due to defects in material or workmanship, provided the equipment has not been altered in any way and has been properly installed, maintained, and operated in accordance with the instructions in the AccuTemp Owner's Manual. During the warranty period, AccuTemp also agrees to pay for any factory authorized equipment service agency (within the continental United States and Canada) for reasonable labor required to repair or replace, at our option, F.O.B. factory, any part which proves to be defective due to defects in materials or workmanship, provided the service agency has received advance approval from AccuTemp to perform the repair or replacement. This warranty includes travel time not to exceed two hours and mileage not to exceed 50 miles (100 miles round trip), but does not include post start-up assistance or training, tightening of loose fittings or external electrical connections, minor adjustments, maintenance, gaskets or cleaning. AccuTemp will not reimburse the expense of labor required to replace parts after the expiration of the warranty period.

Proper installation is the responsibility of the dealer, owner-user, or installing contractor and is not covered by this warranty. Improper installation can affect your warranty.

Installation is the responsibility of the Dealer, Owner/User or the Installation Contractor. See the Installation section of the Owner's Manual. While AccuTemp products are built to comply with applicable standards for manufacturers, including Underwriters Laboratories (UL) and Underwriters Laboratories Sanitation requirements, it is the responsibility of the owner and the installer to comply with any applicable local codes that may exist.

AccuTemp makes no other warranties or guarantees, whether expressed or implied, including any warranties of performance, merchantability, or fitness for any particular purpose. AccuTemp liability on any claim of any kind, including negligence, with respect to the goods and services covered hereunder, shall in no case exceed the price of the goods and services, or parts thereof, which gives rise to the claim. In no event shall AccuTemp be liable for special, incidental, or consequential damages, or damages in the nature of penalties.



AccuTemp shall not be responsible for economic loss, profit loss, including without limitation, losses or damages arising from food or product spoilage claims, whether or not, they were cause by refrigeration failure.

This constitutes the entire warranty, which supersedes and excludes all other warranties, whether written, oral, or implied.

This warranty is exclusive and in lieu of all other warranties expressed or implied, including any warranty of merchantability and fitness for a particular purpose.

AccuTemp does hereby exclude and shall not be liable to purchaser for any consequential or incidental damages.



## Parts

<b>ACCU TEMP GRIDDLE STAND</b>	<b>48" X 33.75" GAS &amp; ELECTRIC</b>	
<b>MODEL: RB48</b>		
<b>PART DESCRIPTION</b>	<b>QTY</b>	<b>MODEL NO.</b>
EVAPORATOR COIL	1	BBM 11
EXP. VALVE 404A	1	EFS1/4-C
CONDENSING UNIT 1/4HP-404	1	M6PM-H025-IAA-028
FILTER DRYER	1	C-052-S
SITE GLASS	1	SA-12-S
DIGITAL TEMPERATURE CONTROL	1	318-9288
TEMPERATURE CONTROL PROBE	2	2013012
MAGNETIC GASKETS	2	31-1/16X7-13/16
STAINLESS DRAWER SLIDES 24"	2	S52-0024
Gray ALUMINUM HANDLE HOLDER	2	P49-1010
4" CASTERS 250 LBS CAPACITY	2	4" CMPI-3PPB
4" CASTERS 250 LBS CAPACITY	2	4" CMPI-3PBB W/BRAKES

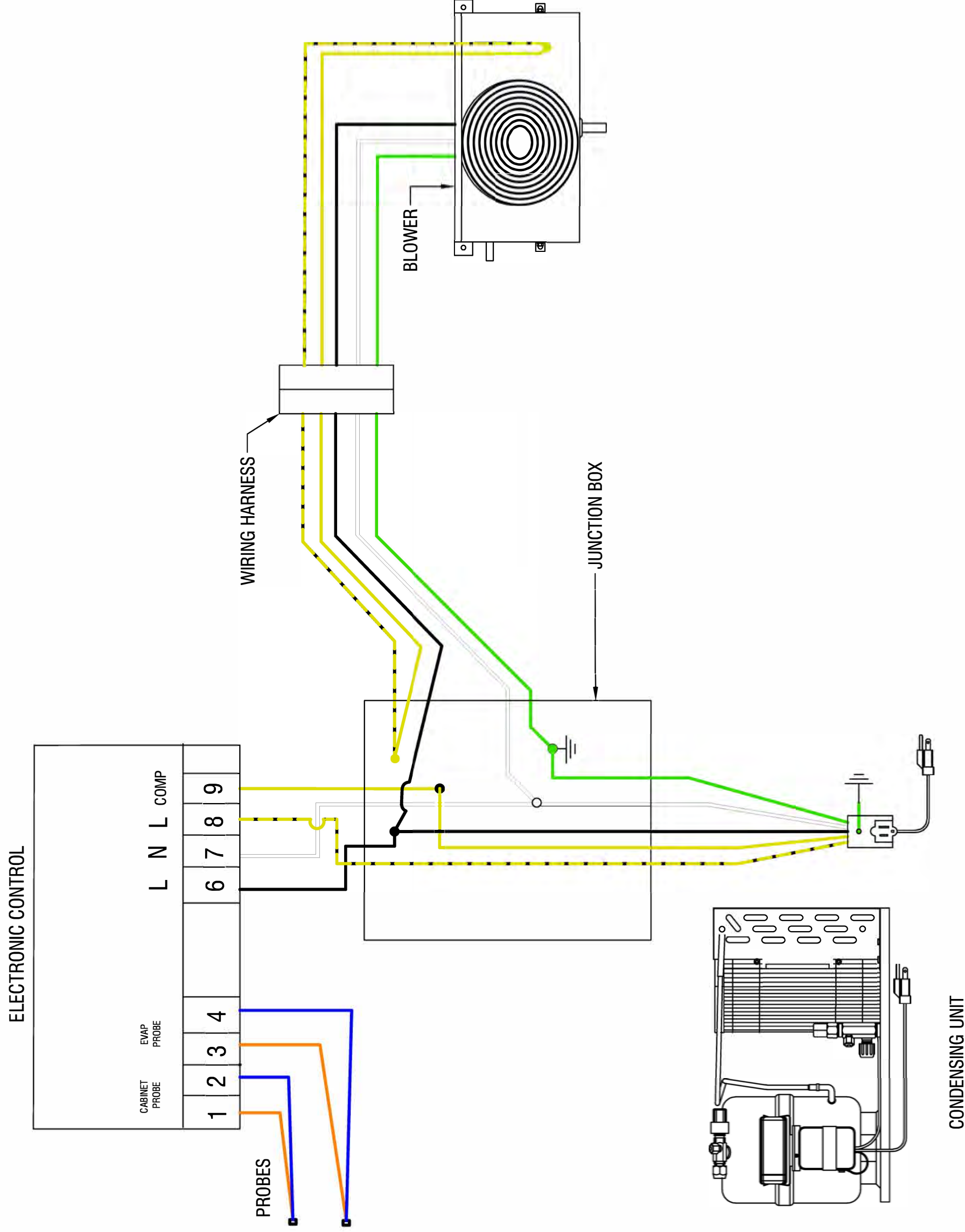
<b>ACCU TEMP GRIDDLE STAND</b>	<b>36" X 33.75" GAS &amp; ELECTRIC</b>	
<b>MODEL: RB36</b>		
<b>PART DESCRIPTION</b>	<b>QTY</b>	<b>MODEL NO.</b>
EVAPORATOR COIL	1	BBM 11
EXP. VALVE 404A	1	EFS1/4-C
CONDENSING UNIT 1/4HP-404	1	M6TM-0022-IAA-118
FILTER DRYER	1	C-052-S
SITE GLASS	1	SA-12-S
DIGITAL TEMPERATURE CONTROL	1	318-9288
TEMPERATURE CONTROL PROBE	2	2013012
MAGNETIC GASKETS	2	24-13/16X7-13/16
STAINLESS DRAWER SLIDES 24"	2	S52-0024
Gray ALUMINUM HANDLE HOLDER	2	P49-1010
4" CASTERS 250 LBS CAPACITY	2	4" CMPI-3PPB
4" CASTERS 250 LBS CAPACITY	2	4" CMPI-3PBB W/BRAKES

<b>ACCU TEMP GRIDDLE STAND</b>		<b>48" X 33.75" GAS &amp; ELECTRIC</b>
<b>MODEL: FB48</b>		
<b>PART DESCRIPTION</b>	<b>QTY</b>	<b>MODEL NO.</b>
EVAPORATOR COIL	1	BBL 10
EXP. VALVE 404A	1	EFS1/4-C ZP
CONDENSING UNIT 1/4HP-404	1	M6TL-0037-IAA-177
FILTER DRYER	1	C-052-S
SITE GLASS	1	SA-12-S
DIGITAL TEMPERATURE CONTROL	1	318-9316
TEMPERATURE CONTROL PROBE	2	2013012
MAGNETIC GASKETS	2	31-1/16X7-13/16
STAINLESS DRAWER SLIDES 24"	2	S52-0024
Gray ALUMINUM HANDLE HOLDER	2	P49-1010
4" CASTERS 250 LBS CAPACITY	2	4" CMPI-3PPB
4" CASTERS 250 LBS CAPACITY	2	4" CMPI-3PBB W/BRAKES

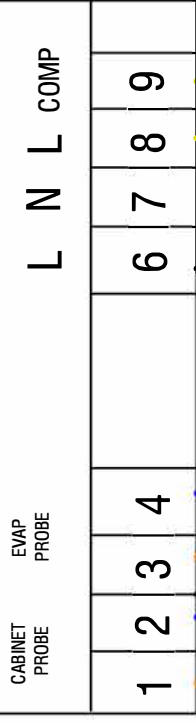
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<b>MODEL: FB36</b>		
<b>PART DESCRIPTION</b>	<b>QTY</b>	<b>MODEL NO.</b>
EVAPORATOR COIL	1	BBL 10
EXP. VALVE 404A	1	EFS1/4-C ZP
CONDENSING UNIT 1/4HP-404	1	M6TL-0029-IAA-188
FILTER DRYER	1	C-052-S
SITE GLASS	1	SA-12-S
DIGITAL TEMPERATURE CONTROL	1	318-9316
TEMPERATURE CONTROL PROBE	2	2013012
MAGNETIC GASKETS	2	24-13/16X7-13/16
STAINLESS DRAWER SLIDES 24"	2	S52-0024
Gray ALUMINUM HANDLE HOLDER	2	P49-1010
4" CASTERS 250 LBS CAPACITY	2	4" CMPI-3PPB
4" CASTERS 250 LBS CAPACITY	2	4" CMPI-3PBB W/BRAKES

ALL DIMENSIONS ARE FAB DIMENSIONS UNLESS NOTED (TYPICAL ENTIRE JOB).

# WIRE DIAGRAM APPLIES TO DRAWER ASSEMBLY ONLY



ELECTRONIC CONTROL



PROBES

WIRING HARNESS

BLOWER

JUNCTION BOX

CONDENSING UNIT



## REVISIONS

DESCRIPTION

DATE

NO.

BY

DATE

SELF-CONTAINED

REFRIGERATOR- DIXELL ELEC CONTROL

BLOWER WITH STANDARD MOTOR

ITEM #s:

TOLERANCE: ± 1/8" ANGLES: ± 1°

DRAWING NO.: WIRING DIAGRAMS

SCALE: AS NOTED

DATE: 10/19/18

DRAWN BY: DO

SHEET: 1 OF 1

CHECKED BY:

CHECKED BY DATE:

SHIP DATE:

SHEET SIZE: 11x17

P.O. NO.:

ORDER NO.:



