Aladdin Temp-Rite®
better by degrees

250 East Main Street, Hendersonville, TN 37075
1-800-888-8018 or 615-537-3600
Fax 1-888-812-9956
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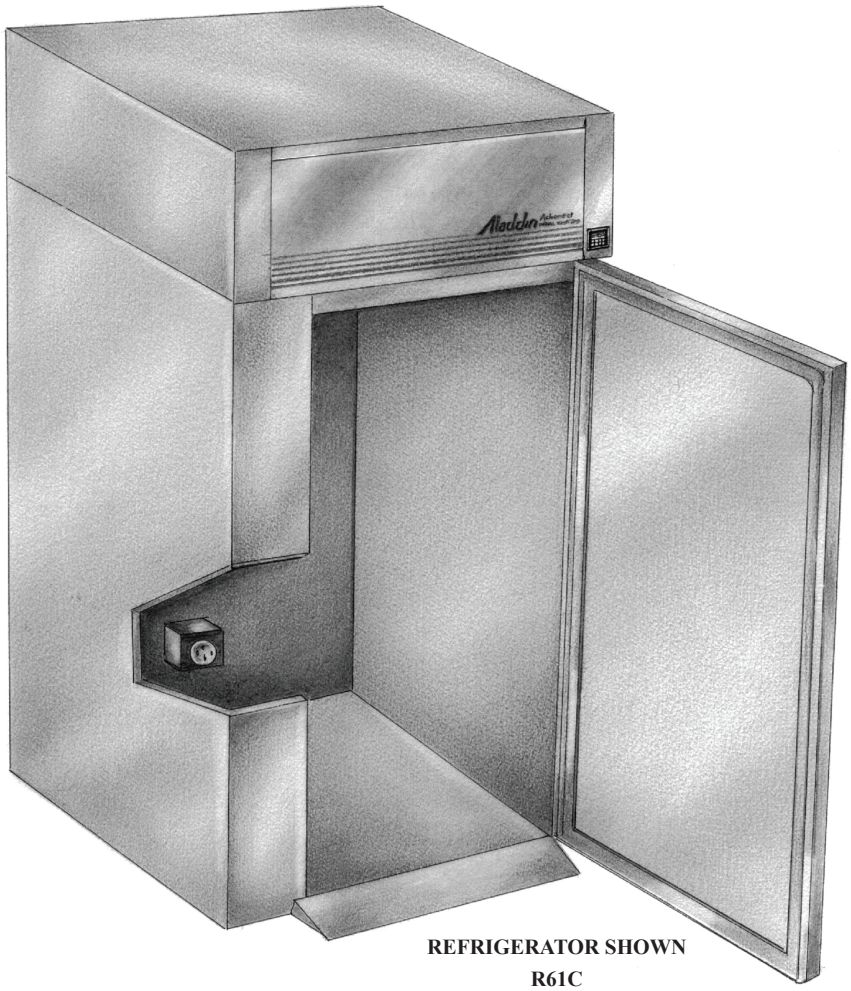
R61C/R61CV
R62C/R62CV
RETHERMALIZATION REFRIGERATORS



REFRIGERATOR SHOWN
R61C

Manual P/N 93143
Rev. K 05/28/2020

INSTALLATION, OPERATION & SERVICE MANUAL

CONTENTS

NOTE:
For ClearTouch Controller operation refer to manual 13309.

I. INTRODUCTION

A. Dimensions

Model	Width	Depth[1]	Height[2]
R61C / R61CV	40” (88.9 cm)	35” (88.9 cm)	84” (213.4 cm)
R62C / R62CV	68-5/16” (173.5 cm)	35” (88.9 cm)	84” (213.4 cm)

B. Dimensions of units without doors, hinges, and front panel

Model	Width	Depth[1]	Height[2]
R61C / R61CV	40” (101.6 cm)	32.5” (82.6 cm)	83-7/8” (213.1 cm)
R62C / R62CV	68-5/16” (173.5 cm)	32.5” (82.6 cm)	83-7/8” (213.1 cm)

C. Overall Weight

Model	Crated	Uncrated
R61C / R61CV	735 lbs (333.4 kg)	685 lbs (310.7 kg)
R62C / R62CV	1,270 lbs (576.1 kg)	1,010 lbs (458.1 kg)

D. Electrical

Model	Voltage	Cycle	Min. Cir Apacity	Max Over Current Proctection
R61C / R61CV	208-240v/120v/ 4 wire	60 Hz	36.39 Amp	45 Amp
R62C / R62CV	208-240v/120v/ 4 wire	60 Hz	55.50 Amp	60 Amp

E. Refrigeration

Model	Refrigerant	Cond. Unit	Heat Rejected[4]	Room Temperature Not to Exceed
R61C / R61CV	R404, 16 oz	1/2 hp	5,544 BTU/HR	90ºF (32.2ºC)
R62C / R62CV	R404, 22 oz	1 hp	11,221 BTU/HR	90ºF (32.2ºC)

1. Door handle protrudes 1-7/16" beyond 35" depth.
2. A minimum of 12" ceiling clearance above condensing unit is required.
3. Refer to Electrical Section for 240v Service Installation Procedure.
4. Based on 100% Run time at maximum load. The refrigeration systems are designed to run 50% of the time at 90°F, (32.2°C). Ambient temperature.

II. RECEIVING INSPECTIONS

Your Aladdin Rethermalization Refrigerator is factory tested for performance and is free from defects when shipped. The utmost care has been taken in packaging this product to protect against damage in transit.

You should carefully inspect your Rethermalization Refrigerator to assure that no damage has occurred in transit. If however, damage is detected see the following damaged goods policy. Under no condition may a damaged unit be returned to Aladdin Temp-Rite without first obtaining written permission (return authorization). No credit will be issued for claims not reported to Aladdin within ten (10) business days from receipt of shipment.

The purchaser/user has the best knowledge and is in the best position to determine the operating conditions, appropriateness of the product for the operating environment, and safe use of the product. Aladdin Temp-Rite does not warrant, implied or expressly, that the product is fit for a particular use or operating environment.

IMPORTANT NOTE:
Aladdin Temp-Rite does not recommend laying the unit down on its front, side or back. However, if you must, please be certain to allow the unit to remain in an upright position for 24 to 48 hours before attempting to place the unit into service, to assure that the compressor oils and refrigerant may settle.

ALADDIN DAMAGED GOODS POLICY

There are two types of damaged merchandise:

- Visual Damage
- Concealed Damage

Visual Damage – When the product being received is visibly damaged.

1. Receiver should not accept merchandise with visual damage.
2. Receiver must sign delivery receipt “refused merchandise due to damage” and specify damage.
3. Receiver should call Aladdin Customer Service immediately after refusal.
4. Carrier will notify Aladdin Traffic Department and a claim will be filed.
5. Carrier will send acknowledgement of claim within 7 days after receiving.

Concealed Damage – When damaged merchandise cannot be externally detected.
Any receiving operation should be looking for this type of damage. Sometimes, however, depending on the type of product, it is almost impossible to notice.

1. Merchandise must not be removed from point of delivery and all packaging must be kept intact.
2. Receiver must contact Aladdin customer service to report damage.
3. Aladdin traffic department will request inspection based on the dollar value of the cargo.
4. Aladdin traffic department will file a claim based on the findings of the inspection.

Failure to comply with these policies will result in the customer’s responsibility to file claims.

III. SAFETY

If you know how to correctly install operate clean and service the Rethermalization Refrigerator System your satisfaction with the equipment will be increased and safety will be enhanced. In accordance with generally accepted product safety labeling guidelines the following three signal words are used throughout this manual to alert you to potential hazards and to tell you how to avoid them.

WARNING: The word "Warning" identifies a potentially hazardous situation which, if not avoided COULD result in death or serious personal injury.

CAUTION: The word "Caution" identifies a potentially hazardous situation which, if not avoided MAY, result in minor or moderate injury. The word "Caution" may also be used to alert against unsafe practices and property damage only accidents.

"Important" is used to identify installation operation or maintenance information which is important but not hazard related.

IV. STORAGE SUGGESTIONS

IMPORTANT: If possible, store the unit(s) with all packaging intact in a weather proof enclosure. Do Not expose the units to extreme high or low temperatures, excessive humidity, or dusty conditions. Store units UPRIGHT on a level surface.

V. INSTALLATION

NOTE: The installation instructions are similar for both the R61C/R61CV single bay unit and the R62C/R62CV double bay unit.

A. LOCATION REQUIREMENTS

1. To ensure optimum performance the top of all units MUST HAVE A MINIMUM 12" CLEARANCE ABOVE THE UNIT. The 12" overhead clearance is also necessary to access the unit should servicing be required. (This is required for the front panel to swing up). THE MINIMUM FINISHED FLOOR TO CEILING HEIGHT REQUIRED FOR PROPER OPERATION OF THE RETHERMALIZATION REFRIGERATORS IS 96".

2. The normal temperature of the room where the rethermalization refrigerators are placed must not exceed 90°F(32.2°C) for the units to operate properly.

B. MOVING THE UNIT THROUGH DOORWAYS

The doors hinges and top fascia should be removed if location doorways are 34" (86.4cm) or narrower.

C. REMOVAL OF DOORS, HARDWARE & TOP FASCIA

1. **CAUTION:** Each door weighs approximately 72 lbs, (32.7 kg). Utmost care should be taken whenever the door is lifted off its hinges.
   ATTENTION: If more than one unit is being moved, care should be taken when doors are re-installed. DOORS MUST BE RETURNED TO THE SAME UNIT THEY WERE REMOVED FROM.

2. The doors on the units feature lift-off self-closing hinges. Open door to a full 180 degrees and lift upward.

3. Removal of the hinges from the cabinet body is not recommended. If it becomes necessary to remove the hinges, mark hinge location prior to removal from the cabinet to ensure proper door re-alignment.

4. Removal of top fascia. If it is necessary to remove the top fascia, disconnect polarized wire connectors from the back of the TIMENET WIZARD CONTROLLER before removing the front lift up panel. Remove the stainless steel fascia from the condensing unit area to reduce overall height of unit. Reassemble fascia and TIMENET WIZARD CONTROLLER

D. SETTING THE UNIT IN PLACE

1. ATTENTION: The unit should remain on its skid during movement to the point of installation to prevent damage to bottom of unit.

2. CAUTION: The single unit weighs 685 lbs. (311.4kg.) and the double unit weighs 1010 lbs. (459.1kg.) Extreme Care must be taken whenever the unit is moved or tilted to remove the skid.

3. The unit rests on the skid and is not secured by bolts. The removal from the skid requires several

people to slowly slide the unit off the skid. Avoid tilting the unit when removing it from the skid. CAUTION: If it was necessary to tilt the unit during installation, it must not be plugged in for a period of 24 hours after being set in place.

E. LEVELING

1. Units must be level within 1/8" (3.18mm) to ensure proper door closure. Level installation is critical for the double door units. If problems are encountered when closing the doors, bottom door seal is binding, or door locks are not engaging properly, the unit is most likely not level.

2. If the unit is more than 1/8" (3.18mm) out of level, the unit should be shimmed. The recommended shim material is 12" x 12" (30.5cm) vinyl floor tile.

3. EXAMPLE: If the right hand end of the double door unit is about 1/4"(6.35mm) low, due to flooring inconsistencies, use a pry bar to lift the low end, then slide a full tile under that end as far as possible. If necessary, take a second tile to push the piece as far under the unit as possible. Cut off any tile extending outside the cabinet body. Add a second layer and a third, if necessary, until the unit is level. Be sure to trim off any tile projecting out from the sides of the unit. The objective is to support the entire bottom of the refrigerator so that the unit floor will not sag with use.

4. The parameter of the unit MUST be sealed to the floor. The seal should be smooth and easily cleanable.

F. RAMP INSTALLATION

A stainless steel ramp is shipped with the units. The front edge of the refrigerator interior floor has stainless steel shoulder bolts to receive and secure the entry ramp. Simply position the slots on the ramp over the shoulder bolts and lower the ramp into position. This ramp can be easily removed for cleaning by reversing the installation steps.

VI. ELECTRICAL

1. ELECTRICAL REQUIREMENTS

R61C/R62CV (single unit) :208-240v*/120v/4w, 60 Cycle, Single Phase,
45 Amp maximum over current protection.

R62C/R62CV (double unit): 208-240v*/120v/4w, 60 Cycle, Single Phase,
60 Amp maximum over current protection.

NOTE: The roll-in refrigerators are set-up for 208-240v*/120v/4w power supply. If a 240v application is necessary see following

* 240 Volt Service

For 240v service a field wiring change must be performed. A qualified electrician is required for this modification. This modification is a one step procedure: A NEUTRAL wire must be connected from the panel to the capped BLACK WIRE w/ blue label on the boost transformer. Consult wiring diagram for the location of the boost transformer.

NOTE: All factory wiring has been made in compliance with electrical codes and UL requirements.

WARNING: All installation electrical and grounding connections must comply with the applicable portions of the National Electrical Code and/or all local electrical codes. A qualified electrician should make all required installation connections. Consult wiring diagram provided.

2. ELECTRICAL CONNECTION

A breaker panel/load center with circuit breakers is provided for field connections. This panel is marked with an orange label with "Disconnect" written on it, and should be the only panel entered into for electrical connection during installation.

A separate electrical circuit should be used when installing the roll-in refrigerators. Size wiring to handle the indicated load and provide the necessary over current circuit protection.

WARNING: When making electrical connections, it is mandatory that the incoming neutral line be laid down on a neutral bus. If a hot leg is connected to a neutral bus, 208 or 240 volts will be across the 120 volt transformer and will destroy the primary side of the transformer.

RECOMMENDATION: Check the supply voltage prior to connection to be certain the proper voltage for the unit is available. Check the serial nameplate inside unit for correct voltage.

VII . START-UP

1. DEFROST CYCLE

The refrigerator controller has three automatic defrost cycles as part of the programming. It is possible to add another defrost cycle by following the prompts on the controller.

2. STARTING UNIT

CAUTION: Before starting the unit, make sure the evaporator fan blades are securely fastened. Lift up the front panel high enough to engage panel support bracket locking mechanism. Turn power circuit breakers on.

3. START-UP CHECKS

Check that the compressor is running and the air circulating fans are also functioning. The compressor will run for approximately one hour, or until the empty cabinet is cooled to a temperature of 32 °F (0°C).

NOTE: Wait until cabinet temperature stabilizes between 32-40°F (0 - 4.4°C) before placing cart(s) loaded with product into the cabinet. Running the unit with the door closed will cause the compressor to cycle and maintain the internal cabinet temperature of 32-40°F (0 - 4.4°C).

4. ELECTRIC CONDENSATE EVAPORATOR

All units are equipped with electric condensate evaporators. To verify that the condensate evaporator pan is working correctly, feel the exterior side wall. The exterior side wall should feel warm to hot after a 15 minute warm-up period.

5. CLOSE FRONT PANEL

Close front panel by first pushing the panel in an upwards direction to disengage the support bracket lock and carefully lower the panel. Be careful not to let the panel fall and bang into the cabinet.

6. CART PRESENT INDICATOR

Open the refrigerator door(s) and roll cart(s) all the way into the cabinet. An alarm will sound when the cart has been properly engaged.

VIII . CLEANING

CABINET - INTERIOR & EXTERIOR

DO NOT SPRAY WASH! HAND WIPE ONLY.

Clean and sanitize the interior and exterior surfaces initially prior to placing a cart loaded with product into the cabinet. Regular cleaning requires only mild soap and water.

NOTE: Do not use abrasives, harsh chemicals, or chlorine products for cleaning.

IX. PREVENTIVE MAINTENANCE

NOTE: The following maintenance frequency is a recommendation only. Adjustment may be required for varying environments and equipment age.

CABINET:

DOOR ALIGNMENT (Quarterly or as needed)

1. Remove hinge covers, tighten all screws fastening hinges.
2. Observe bushing and lubricate as needed (using Vaseline or white grease).
3. Check bottom of door panel sweep for integrity and no air leakage.
4. Adjust bottom door sweep as necessary.

DOOR SWITCH (Inspect Monthly Verify Quarterly or as needed)

1. Verify operation of door switch by inserting a cart into the refrigerator, initiating a manual retherm cycle, opening then closing the door. You should hear a retherm contactor switching on and off.
2. Inspect door switch for wear or abuse.

CART GUIDES (Quarterly or as needed)

1. Verify that caster guides are securely fastened to floor of refrigerator.
2. Replace any missing guide plugs and/or caster guides as needed.
3. Maintain food service grade Silicone sealer around base of caster guides.

DOOR GASKETS (Quarterly or as needed)

1. Visually check door gaskets. They should "snap" against door jamb before closure is complete.
2. Visually check that the gaskets are sealed in their retainers and inspect for wear and tear. Replace if gaskets are torn or broken.

INTERIOR PANELS, LOCKS (Quarterly or as needed)

1. Tighten all screws fastening interior panels to cabinet.
2. Verify door locks operate properly and do not bind. Remove lock assembly and handle if adjustment is required.

CLEANING (Weekly/Monthly or as needed) See VII. CLEANING

1. Clean both interior and exterior with a mild soap solution, following instructions for care of stainless steel.
2. Clean door gaskets using baking soda and warm water, wipe completely dry with soft cloth.

GENERAL ELECTRICAL:

VOLTAGE SUPPLY TO REFRIGERATOR AND CART (Semi-Annually or as needed)

1. Check for proper voltage supply to the rethermalization refrigerator. Refer to the data plate for the proper voltage supply.
2. Check for proper voltage supply to the retherm cart. Maintain a minimum supply of 117v AC L-1/N L-2/N. Check voltage at the receptacle where cart plugs in.

RECEPTACLE (Semi-Annually or as needed)

1. Visually inspect retherm cart receptacle located in bottom center of unit.
2. Maintain a height of 9" to center from bottom of refrigerator.
3. Ensure that receptacle is level to allow for proper mating. Tighten all screws on mounting plate.
4. Replace damaged receptacle as needed.

PROXIMITY SWITCH (Semi-Annually or as needed)

1. Inspect the proximity switch located beneath the receptacle in the retherm refrigerator.
2. Ensure that proximity switch is securely fastened to back panel of refrigerator.
3. Visually inspect surface of proximity switch for damage.
4. NOTE! The retherm cart actuator bar should not come into contact with the face of the proximity switch.
5. Verify that cart present indicator is activated when cart is in place inside the refrigerator.

REFRIGERATION:

TEMPERATURE SETTINGS (Quarterly or as needed)

1. Check air temperature with a calibrated probe by inserting into retherm refrigerator and closing the door. Verify that the refrigerator cycles between 34°F and 40°F (+/- 2°).
2. Verify that the temperature on the refrigerator is within 2° of the air temperature inside the refrigerator as measured by the calibrated probe.

NOTE: The temperature sensor on the controller shows the coil temperature.

FAN OPERATION (Quarterly or as needed)

1. Fans are located behind closure panels which are located inside center on double bay and inside evaporator coil enclosure on single bay units.
2. Viewing from inside, verify all circulating fans are operating properly and are unrestricted.

CONDENSATE EVAPORATOR OPERATION (Quarterly or as needed)

(Caution! Evaporator chamber may be extremely hot!)

1. Check for excessive water accumulation.
2. In areas where domestic water is hard, it may be necessary to occasionally remove mineral residue from the evaporator pan. Clean as required.
3. Check that evaporator pan is heated. Check connections and/or replace if pan is not warm.
4. Replace pan if water leaking or if pan is severely pitted.

REFRIGERANT (Semi-Annually or as needed)

1. Check for proper refrigerant pressure levels (as required on data plate).
2. Physically check for refrigerant leaks at the compressor, evaporator coils and associated piping.

CONDENSER (Monthly or as needed)

1. Disconnect power via main circuit breaker to refrigerator.
2. Use vacuum cleaner with proper brush or a whisk broom to clean the compressor, motor and related parts. In extreme cases of dust build-up, the condenser fins may require blowing out with compressed air.
3. Reset the main breaker to the refrigerator.

NOTE: The air cooled condenser unit depends upon the amount of air passing through the condenser. Grease, lint and dust accumulation reduces required air flow. The refrigerator will consume less current and operate more efficiently if the condenser is kept clean. If after following steps 1-3 above the condenser fins are still covered with a layer of greasy dust, a warm soapy water and soft bristle brush cleaning is recommended. The procedure is as follows:

1. Disconnect power via main circuit breaker to refrigerator.
2. Clean the coil with a solution of warm soapy water and a soft bristle brush. DO NOT BEND FINS ON COIL.
3. Use a soft cloth to absorb any excess water. Restart unit and allow the interior temperature to return to normal operating range before loading product.

DEFROST TIMER (Semi-Annually or as needed)

1. Verify defrost timer is set for correct time.
2. Verify that defrost time settings are not during rethermalization times.

TIMENET WIZARD CONTROLLER:

CONTROLLER (Semi-Annually or as needed)

1. Verify proper operation of timer (check time of day, voltage readout, cart present, manual retherm, clock, high temp alarm, cart holding, automatic retherm).

X. PARTS LIST

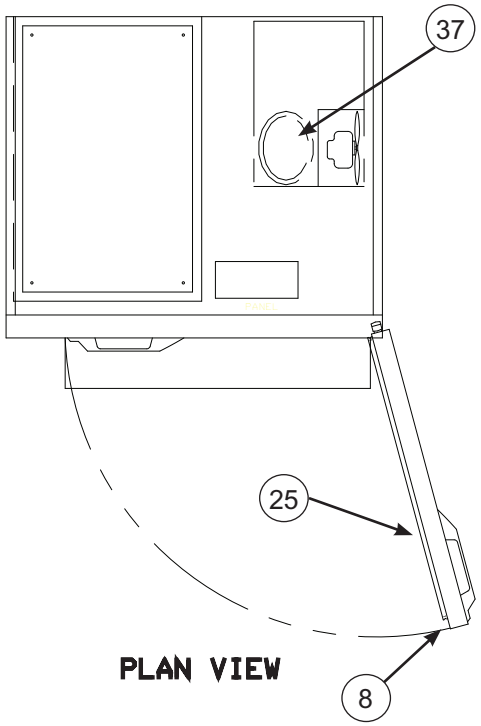
R61C/R61CV Single Bay

No.	Part No.	Description
1*	21043	Door switch
2*	24726	C-Frame motor, 3,000 RPM
3*	28407	Boost transformer
4*	92423	Caster Guide-middle
5*	28804	5" Plastic fan blade
6*	29313	Valox spacer
7*	98488	Plugs for caster guide-C7/C8
8*	34960	Door switch bumper
9*	39058	Proximity switch - 10-30vdc
10*	28131	30A-250V - Receptacle
11*	39185	K-1 P&B Relay #KUP5A15-24
12*	39184	Contactor coil, #45G20AJ, 2P, 24v, 20A
13*	39183	K-2, 3&4, Contactor
14 a	92424	CV model caster guide
14b	93417	C6 Right hand caster guide
14c	93369	C6 Left hand caster guide
15	-	-
16	39225	Door hinge assembly
17	39226	Door cam hinge insert
18*	24922	Ramp assembly
19	39396	#1315, Key for handle assembly

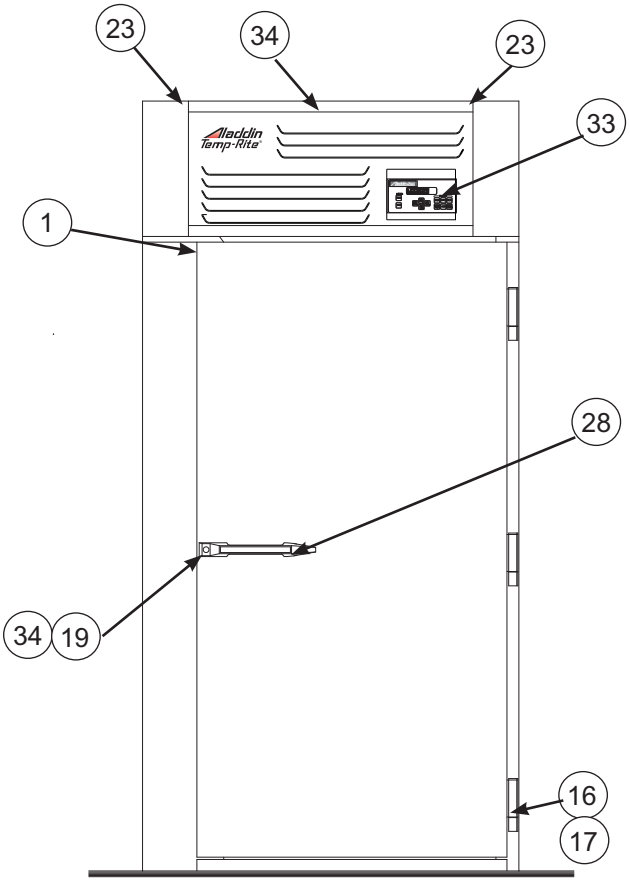
No.	Part No.	Description
20	-	-
21*	39524	20A, 2 Pole circuit breaker-Q T2020
22*	39579	2A circuit breaker-W58-XB1A4A-2
23	11765	Access panel, hinge
24	-	-
25	92687	Snap in magnetic gasket
26*	39654	Retainer gasket - slides, long
27*	39655	Door sweep gasket
28	39656	#1315 Handle assembly with lock
29*	39657	24v Controller transformer
30*	92128	Voltage boost board
31*	92335	Temp sensor - Thermister
32*	92656	Retainer gasket - Top short
33a	13145	Overlay ClearTouch TRII
33b	13104	Controller ClearTouch TRII
34	13173	Fascia R61 w touch screen
35	E-14-55	Relay, P&B. KUP-11A55-24
36*	24725	Evaporator
37 ♦♦	93054	Condensing unit -½hp - 404 refrigerant
38*	13152	relay board controller250
*Item not shown		
♦♦ITEM # 37 - see note below about condensing unit		

IMPORTANT:
For units before SN: 5355686-001, the condensing unit Copeland # FJAF-A050-IAA has been discontinued and should be replaced with Copeland # M4FF-0050-IAA, (ATR # 93054) with a charge of 16oz **NOT** the previous 20oz.

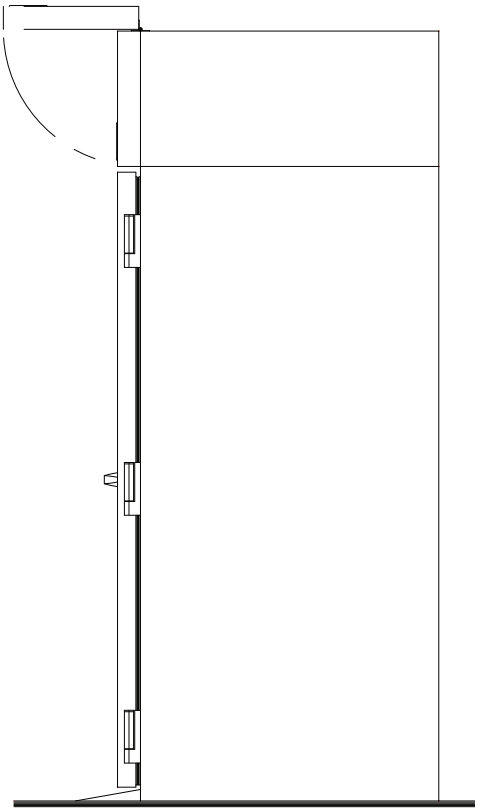
NOTE: If used in a environment above 90ºF, Aladdin recommends you changing the front top panel for better ventilation of the condensing unit (ATR # 10656)



PLAN VIEW

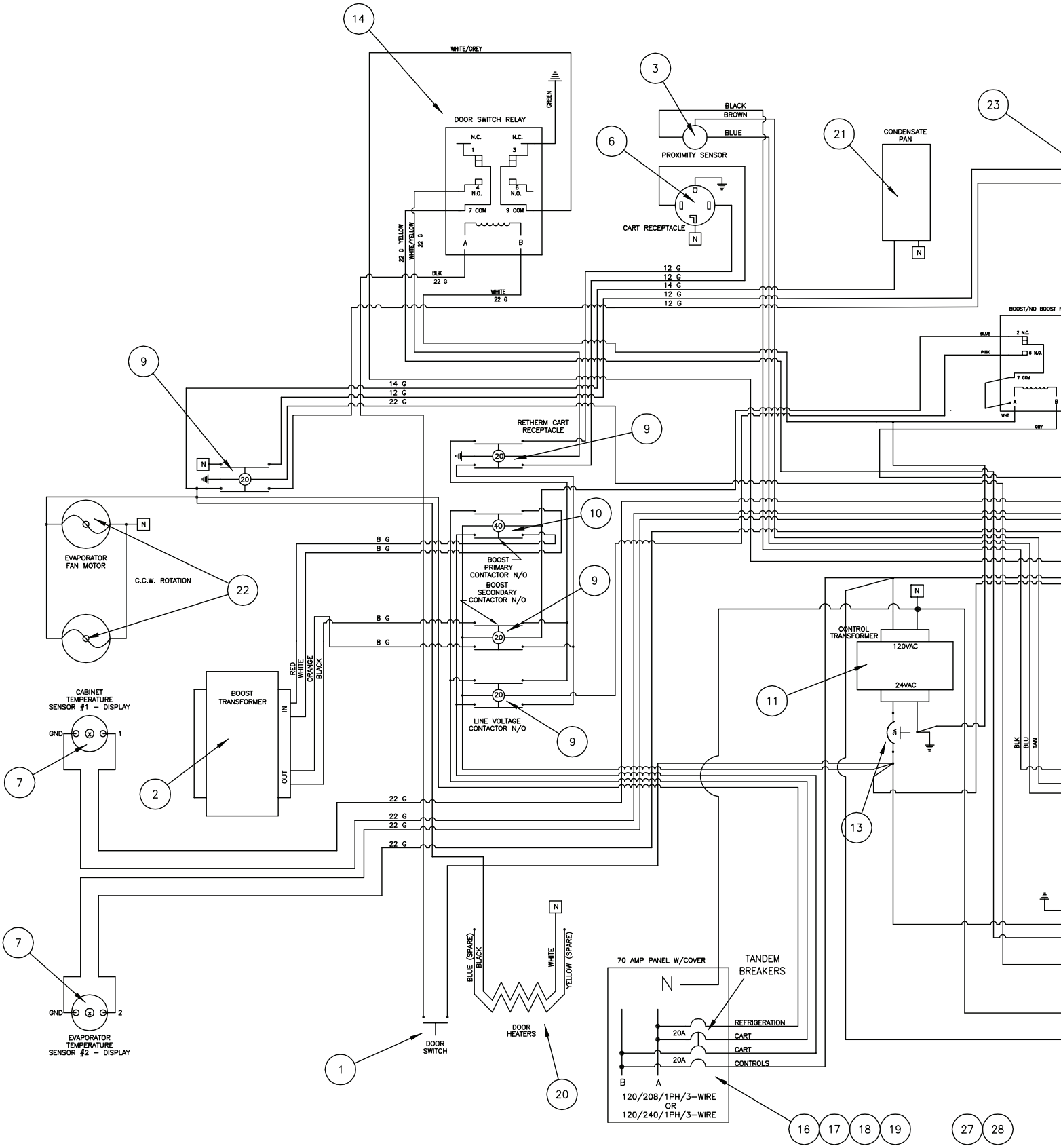


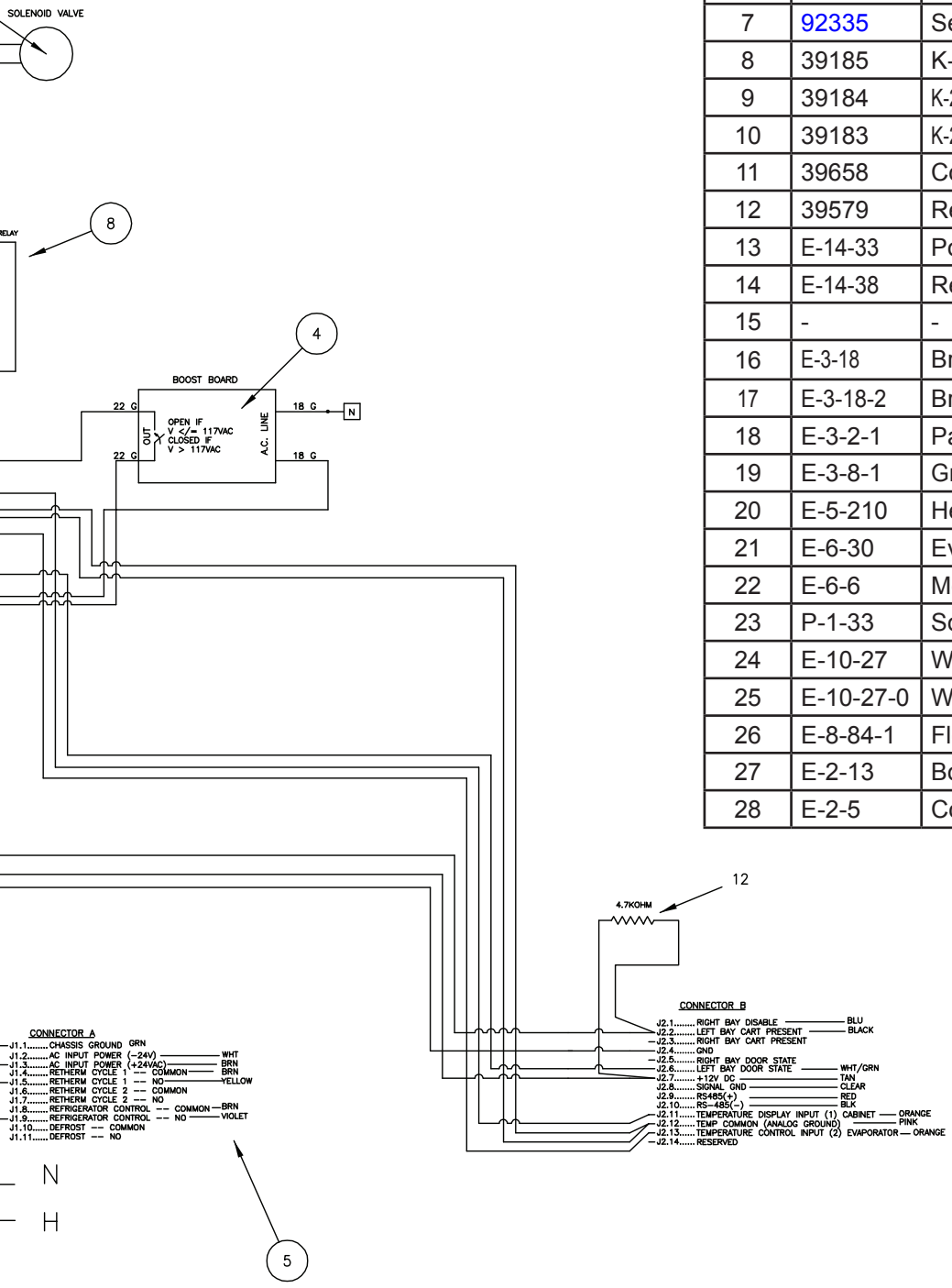
FRONT ELEVATION



RIGHT ELEVATION

R61C / R61CV Single Bay Wiring diagram and Electrical parts list



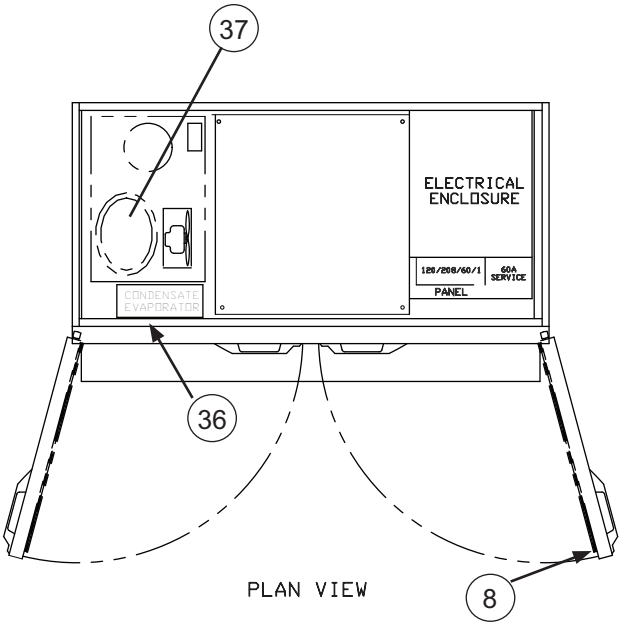


Item#	Part#	Description
1	21043	Door switch, Gemline #18200
2	28407	Buck -n- Boost transformer
3	39058	Turk prox switch
4	92128	Voltage boost board
5	13104	Clear touch controller
6	28131	Cart receptacle-30A-250V-4W
7	92335	Sensor, Thermister
8	39185	K-1 P&B relay #KUP5A15-24
9	39184	K-2, K-3 Furnas #45CG20AJ 20A 2 pole 24VAC coil
10	39183	K-2, 3&4 Furnas 42CE15AJ106 2 pole 40A
11	39658	Control transformer, DCT40-120
12	39579	Resistor 4-7k-ohm 1/4watt
13	E-14-33	Potter&Brumfield W58-XB1A4A-2 breaker
14	E-14-38	Relay P&B KUP-11A55-24
15	-	-
16	E-3-18	Breaker Sq-D #QOT2020
17	E-3-18-2	Breaker Handle ties #QOTH Sq-D
18	E-3-2-1	Panel Sq-D #QO2-4L70S
19	E-3-8-1	Ground bar Sq-D #PK7GTA
20	E-5-210	Heater tape 210" double 115V/3W
21	E-6-30	Evaporator #2712-0011-1000
22	E-6-6	Motor C-Frame #4MO73
23	P-1-33	Solenoid valve 1/4" 120V coil
24	E-10-27	Wire 18-BK-TFFN strnd (500-RL)
25	E-10-27-0	Wire 18-RD-TFFN strnd (500-RL)
26	E-8-84-1	Flex loom #FL14
27	E-2-13	Box
28	E-2-5	Cover

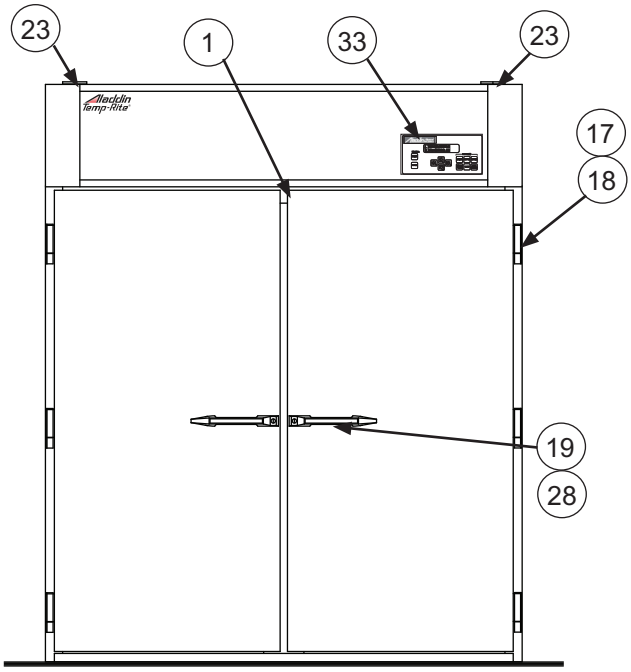
R62C/R62CV Double Bay

No.	Part No.	Description
1	21043	Door switch
2	24726	C-Frame motor, 3,000 RPM
3	28407	Boost transformer
5	28804	5" Plastic fan blade
6	29313	Valox spacer
7	98488	Plugs for caster guide
8	34960	Door switch bumper
9	39058	Proximity switch - 10-30vdc
10	28131	30A-250V - Receptacle
11	39183	Contactor 15A
12	39184	Contactor coil, #45G20AJ, 2P, 24v, 20A
13	39185	P&B Relay
14	39187	Relay, Dayton
15*	13174	Fascia R62 w touch screen
16	39225	Door hinge assembly
17	39226	Door cam hinge insert
18	92425	Caster guide-left
19	39656	#1315, Key for handle assembly
20	-	-

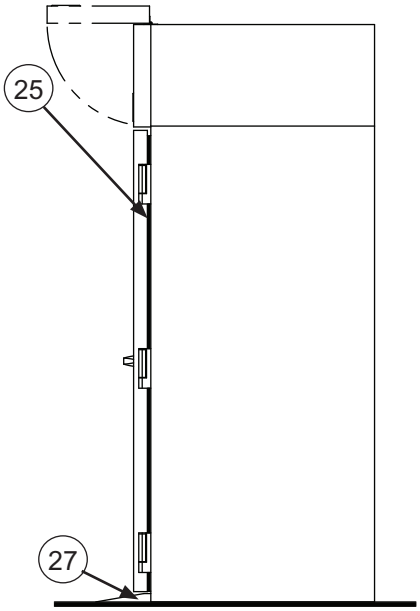
No	Part No.	Description
21	39524	20A, 2 Pole circuit breaker-Q T2020
22	E-3-16-5	Circuit breaker-double pole-20A-Sq-D
23	11765	Access panel, hinge
25	39652	Snap in magnetic gasket
26	39654	Retainer gasket - slides, long
27	39655	Door sweep gasket
28	39656	#1315 Handle assembly with lock
29	39658	24v Controller transformer-Double bay
30	92128	Voltage boost board
31	92335	Temp sensor - Thermister
32	92656	Retainer gasket - Top - short
33a	13145	Overlay Cleartouch TRII
34	E-5-25	S/S Tubular heater left hand
35	E-5-26	S/S Tubular heater right hand
36	24725	Evaporator
37	93056	Condensing unit -1hp - 404 refrigerant
38	E-3-412	Contactor, coil, 75A, 24v
39	92424	Caster guide-right
40*	13152	Relay board controller
* Item not shown		



PLAN VIEW



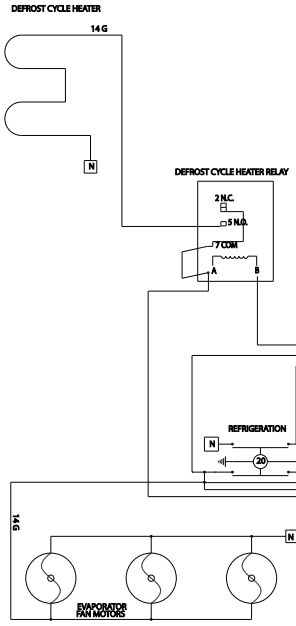
FRONT ELEVATION

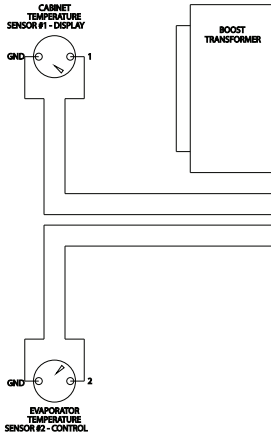


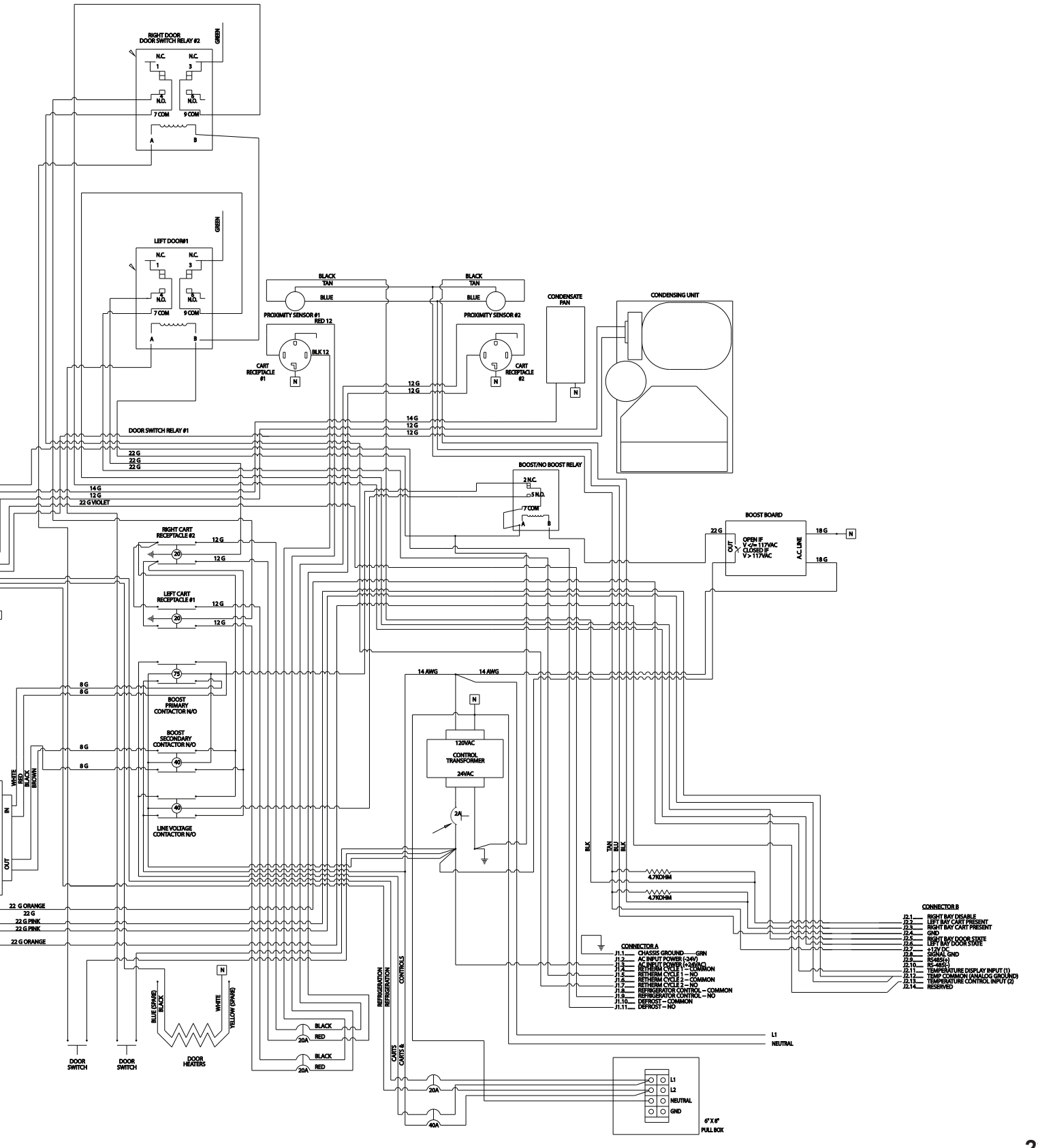
RIGHT ELEVATION

R62C/R62CV Double Bay wiring diagram and electrical parts list

No.	Part #	Description
1	21043	Door switch
2	28407	Buck - Boost transformer
3	39058	Turk prox switch - #10-30v DC
4	92128	Voltage boost board
5	13104	Clear touch controller
6	39128	Cart receptacle - 30A - 250v - 4W
7	92335	Sensor Thermister
8	39185	K-1 P&B relay #KUP5A15-24
9	-	-
10	39184	K-2, K-3 Furnas #45CG20AJ 20A, 2 pole, 24v AC coil
11	39183	K-2, 3&4 #42CE15AJ106 SN1A641 2 pole 40A
12	39657	Control transformer, #637-221 120/24v AC Jefferson
13	39579	P&B #W58-XB1A4A - 2A circuit breaker
14	E-14-55	P&B Relay #Kup-11A55-24
15	E-14-65	DIN receptacle, 3 pin, panel mount
16	E-3-16-10	Sq-D Breaker #QOU240
17	E-3-16-5	Circuit breaker Double pole 20A-Sq D
18	E-3-196	Terminal block,#M6/8 grey
19	E-3-197	End sect., terminal block
20	E-3-198	End stop, terminal block
21	E-3-202	Rail, terminal block
22	E-3-206	Terminal ground
23	E-3-412	SqD 75A Cont. DPA-72v14 24v coil 800v AC Max
24	E-3-48	Pull box screw cover
25	92729	Heater S/S Tubular, 120V-185W-RH
26	E-5-256	Heater tape-256" 120V 185W-RH
27	92730	Heater S/S Tubular, 120V-185W-LH
28	24725	Condensate evaporator
29	24726	C-frame motor 3,000 RPM
30	93056	Copeland condensing unit
31	28849	Resistor, 4-7 ohm - 1/4W






RIGHT DOOR
DOOR SWITCH RELAY #2
GREEN
N.C.
N.C.
N.O.
N.O.
7 COM
9 COM
A
B
LEFT DOOR#1
BLACK
TAN
BLUE
PROXIMITY SENSOR #1
RED 12
BLK 12
CART RECEPTACLE #1
PROXIMITY SENSOR #2
CART RECEPTACLE #2
CONDENSATE PAN
CONDENSING UNIT
12 G
14 G
22 G
22 G VIOLET
DOOR SWITCH RELAY #1
BOOST/NO BOOST RELAY
2 N.C.
5 N.O.
7 COM
BOOST BOARD
OPEN IF V <= 117VAC
CLOSED IF V> 117VAC
OUT
A.C. LINE
18 G
RIGHT CART RECEPTACLE #2
LEFT CART RECEPTACLE #1
20
75
40
8 G
BOOST PRIMARY CONTACTOR N/O
BOOST SECONDARY CONTACTOR N/O
LINE VOLTAGE CONTACTOR N/O
14 AWG
120VAC
CONTROL TRANSFORMER
24VAC
2A
BLK
TAN
BLU
4.7KOHM
CONNECTOR B
J2.1 RIGHT BAY DISABLE
J2.2 LEFT BAY CART PRESENT
J2.3 RIGHT BAY CART PRESENT
J2.4 GND
J2.5 RIGHT BAY DOOR STATE
J2.6 LEFT BAY DOOR STATE
J2.7 +12V DC
J2.8 SIGNAL GND
J2.9 RS485(+)
J2.10 RS-485(-)
J2.11 TEMPERATURE DISPLAY INPUT (1)
J2.12 TEMP COMMON (ANALOG GROUND)
J2.13 TEMPERATURE CONTROL INPUT (2)
J2.14 RESERVED
CONNECTOR A
J1.1 CHASSIS GROUND — GRN
J1.2 AC INPUT POWER (~24V)
J1.3 AC INPUT POWER (~240VAC)
J1.4 RETHERM CYCLE1 – COMMON
J1.5 RETHERM CYCLE1 – NO
J1.6 RETHERM CYCLE2 – COMMON
J1.7 RETHERM CYCLE2 – NO
J1.8 REFRIGERATOR CONTROL – COMMON
J1.9 REFRIGERATOR CONTROL – NO
J1.10 DEFROST – COMMON
J1.11 DEFROST – NO
WHITE
RED
BLACK
BROWN
IN
OUT
22 G ORANGE
22 G
22 G PINK
BLUE (STRIPE) BLACK
WHITE
YELLOW (STRIPE)
DOOR SWITCH
DOOR HEATERS
REFRIGERATION
CONTROLS
CARTS
CARTS &
BLACK
RED
20A
40A
L1
NEUTRAL
L2
GND
6" X 6" PULL BOX

XXXZ . WARRANTY & LIABILITY

ALADDIN TEMP-RITE®
EQUIPMENT
LIMITED WARRANTY

Effective July 1, 2005

Aladdin Temp-Rite® ("ATR") warrants to the original purchaser that the equipment listed below shall be free from defects in material and workmanship under normal use for the applicable warranty term set forth below. ATR's obligation under this warranty is limited to the repair or replacement, at the sole option of ATR, of any part which upon inspection and examination by ATR or its authorized agent is found to be defective. A written description detailing the nature of the claimed defect, together with the equipment claimed to be defective if required by ATR, must be delivered to ATR or its authorized agent within 30 days of discovery of the claimed defect (but in no event later than 30 days after the expiration of the applicable warranty term).

EQUIPMENT	WARRANTY TERM		COMPRESSOR WARRANTY TERM* PARTS ONLY**
	PARTS	LABOR	
R61C / R61CV	1 Year	90 Days	5 Years
R61C / R62CV	1 Year	90 Days	5 Years

*The warranty term commences 30 days after the date of ATR's invoice for the equipment.

**The compressor warranty covers the compressor only and does not include any shipping charges, other transportation costs, any external parts or electrical components, labor, refrigerants and taxes.

THE WARRANTIES AND REPRESENTATIONS OF ATR CONTAINED HEREIN ARE EXPRESSLY IN LIEU OF, AND THE BUYER WAIVES, ANY AND ALL OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND ANY OTHER REMEDIES AGAINST ATR, WHETHER BASED UPON CONTRACT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE. ATR SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES OR ECONOMIC LOSS OF ANY NATURE (INCLUDING WITHOUT LIMITATION LOSS OF REVENUES AND/OR PROFITS) THAT MAY BE CLAIMED TO RESULT FROM ANY NEGLIGENCE OR BREACH OF WARRANTY OR CONTRACT BY ATR.

Exceptions and Exclusions

This warranty is issued only to the original purchaser, and is not transferable and applies only to the products installed within the United States of America, its territories and Canada. During the term of any labor warranty, ATR will pay all pre-approved shipping charges incurred in returning defective equipment to ATR and labor costs incurred in the removal and reinstallation of such equipment. Contact ATR before returning any defective equipment or otherwise performing any warranty repairs. ATR assumes no liability for any work or repair performed without its prior approval. After the expiration of any labor warranty, the original purchaser is responsible for all shipping charges incurred in returning defective equipment to ATR and labor for removing and reinstalling such equipment. ATR shall not be responsible for the replacement of expendable items like lamps and fuses or product failure resulting from normal wear and tear, improper installation, misuse, sabotage, abuse, neglect, accident, unauthorized alterations to repair, or other factors beyond the control of ATR. Neither this warranty, nor the liability of ATR may be modified or extended by action of any agent, distributor or other person or by custom or practice.

CALL ATR TOLL FREE AT 1-800-888-5426 IF YOU HAVE ANY QUESTIONS ABOUT THIS WARRANTY OR YOUR ATR PRODUCT.