

AA **Alternative Air**

STORE FIXTURES

Tel: (609) 261-5870

Fax: (609) 261-5531



Made In America



Owner's Manual

All Models

Refrigerated Series

WWW.AAFIXTURES.COM



REFRIGERATED MERCHANDISER SERIES

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REFRIGERATED MERCHANDISER SERIES

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A. PRODUCT LOAD LEVEL FOR REFRIGERATED SERIES

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A. 30" DEEP DISPLAY

B. 35" DEEP DISPLAY

Alternative Air

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SECTION I **UNPACKING UNIT**

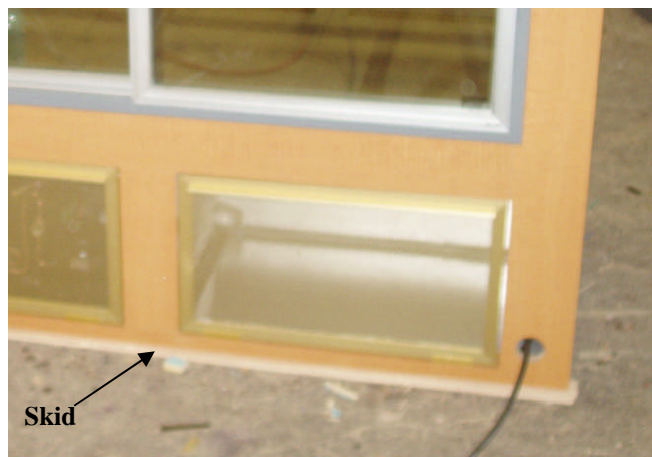
CONGRATULATIONS ON RECEIVING YOUR NEW REFRIGERATED MERCHANDISER

A) RECEIPT AND INSPECTION OF YOUR NEW DISPLAY

UPON RECEIVING YOUR NEW FIXTURE, PLEASE BE SURE TO INSPECT CASE FOR ANY DAMAGE THAT MAY HAVE OCCURRED IN SHIPPING. ALL CLAIMS MUST BE NOTED WITHIN 24HRS OF RECEIVING YOUR FIXTURE OR RESPONSIBILITY OF ANY DAMAGE THAT MAY HAVE OCCURRED IN TRANSIT WILL BE YOUR RESPONSIBILITY AND WILL NOT BE COVERED UNDER YOUR WARRANTY.

B) SET UP INSTRUCTIONS

A) UNIT PLACEMENT — Before your new display case can be set, you must remove two shipping skids (2" Runners under the case front and back — See attached photos). By tilting the case forward and stepping down on the wood skid. The skid should pop off. Repeat the process for the second skid.



NOTE: Never stand case on end. This will cause damage to your display which is not covered by the factory warranty.

Once the skids are removed you will need to level the case. Place a level on top of the case. Level side to side, also front to back. If the case is not level, the drain may not function properly.

UNIT PLACEMENT

NOTE: Care must be taken to ensure that your new display case is not placed where it can be exposed to direct sunlight. The case will not operate properly.

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SECTION I

B) SET UP CONTINUED

Remove glass shelving that is located on the deck inside the case. The shelving is wrapped in brown paper and tapped down to the display deck inside the case. There will be a total of six (6) tempered 1/4 inch thick glass shelves. Note, there are three different depths of glass, creating three sets of glass shelves. The glass shelving in the case is organized as a tiered presentation. The smallest shelves are on top, medium in the middle and the large shelves on the bottom. The support brackets which hold up the lighting and glass shelves will be already installed in the case by the factory. Before placing the glass shelves on the support brackets, check to make sure that the glass seats (rubber suction cups) are all in place. There are two glass seats per support bracket. If all glass seats are in place, the glass can be set in place. Start at the top, then set the middle shelves and finish with the bottom shelves.



C) CLEANING INSTRUCTIONS

Glass and the interior and exterior finished laminate surfaces of the display case can be cleaned with glass cleaner or mild soap and water. Do not use abrasive cleaners as this will result in damage to the finish and is not covered under warranty.

Display cases with optional veneer finishes should be treated as fine furniture. Wipe down with soft cotton cloth using any standard furniture cleaner/ polish.



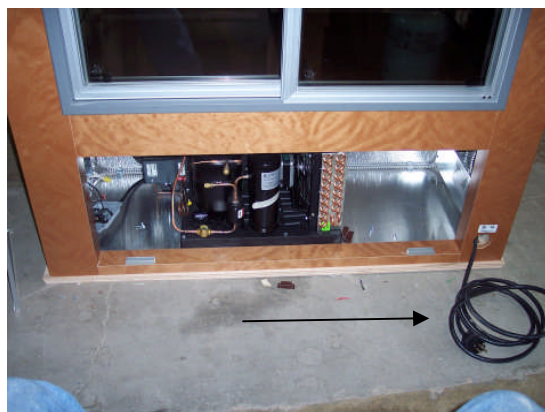
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II POWER REQUIRMENTS

A) PLUGGING IN UNIT

Each new case is supplied wit an eight (8) foot power cord and plug (Straight NEMA 5-15) The cord is located on the back (Service Side) of the case on the bottom right hand lower corner.



B) HARDWIREING UNIT

Only a licensed electrician is qualified to hardwire the unit on site and ensure compliance with local electrical safety codes.

C) MINIMUM CIRCUIT AMPS

The minimum required circuit AMPS are stated on the name plate for each case. The name plate is located on the cover of the electrical box in the bottom right side on the back (Service Side) of the case. The bottom grill must be removed in order to view the name plate.



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SECTION III MAINTAINANCE

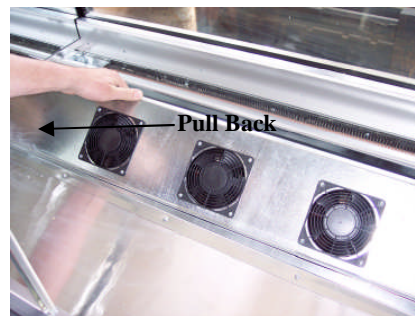
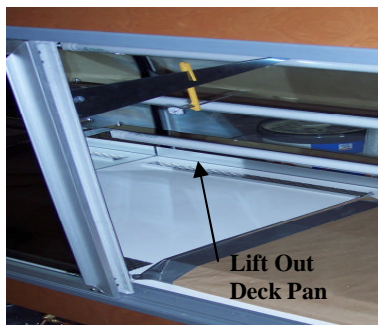
A. CLEANING THE CONDENSER COIL

You must check and clean the condenser coil monthly. This coil is located at the rear of the case behind the removable grill. The condenser coil can be cleaned with a soft brush or a vacuum with a soft brush attachment. Be careful not to bend or damage the coil fins as this will prevent proper airflow.



B. DRAIN MAINTAINANCE

The drain can be periodically checked and cleaned by removing the deck panel(s) from inside the refrigerated display. After deck panels are removed you will need to remove the fan housing to reveal the drain. Water can be poured into the drain to flush out dirt. The top of the drain can be unscrewed which will allow direct access to the drain area to



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SECTION III MAINTANANCE CONTINUED

C. CLEANING INSIDE AND OUTSIDE OF DISPLAY

All exposed surfaces both interior and exterior can be cleaned with mild soap and water. Glass cleaner can be used on all glass and laminate surfaces. Using any abrasive cleaning product such as Soft Scrub is not recommended as this may damage the interior or exterior surface which will ruin the appearance of your display.

Rear sliding glass doors can be carefully removed to access track and frame for cleaning. With two hands grasp the door firmly. Lift up and pull bottom of door back to you. Door will drop out of track. Door tracks feature clean out space on each end.



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IV Lighting

All lighting in the displays are florescent. All bulbs come with a plastic tube guard for product safety. If a bulb is replaced, the new light must be placed back into the plastic tube guard to maintain food safety certification for your display case.

A) BULB SIZES

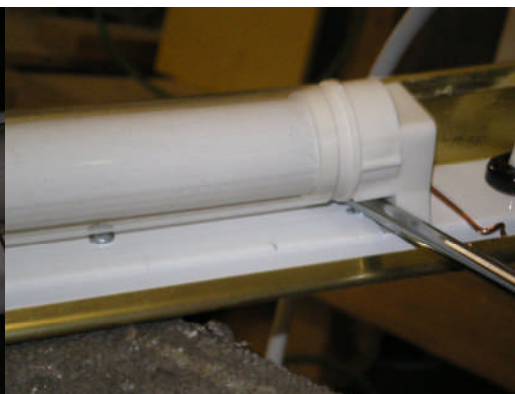
- 1) 36"W Cases — F17T8 / SP41 GE Bulb
- 2) 48"W Cases — F25T8 / SP41 GE Bulb
- 3) 60"W Cases — F32T8 / SP41 GE Bulb
- 4) 72"W Cases — F40T8 / SP41 GE Bulb

All light bulbs are florescent and manufactured by general electric. Light bulbs can be purchased from your local electrical or lighting store. All bulbs listed above can be replaced with another manufacturer as long as they are equivalent in watts and brightness level.

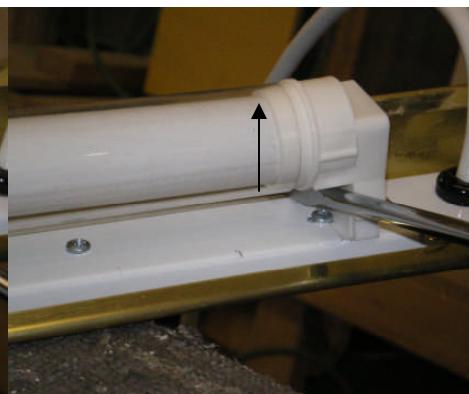
Light Removal



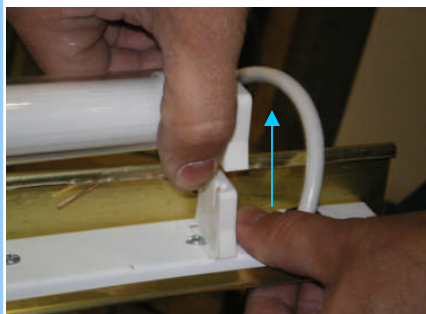
1) Light fixture and connector.



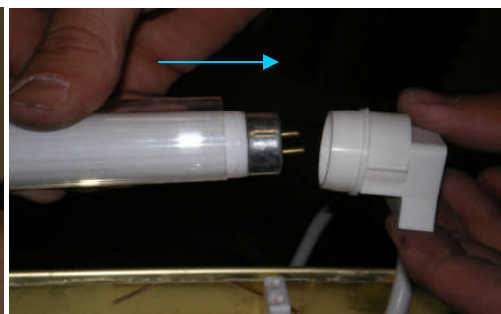
2) Carefully insert flat end of screwdriver directly under plastic connector.



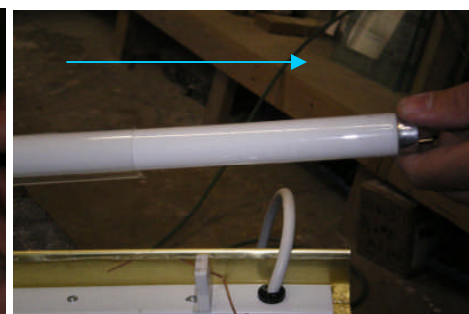
3) Gently turn screw driver to pry directly off socket



4) Remove first one side than the other.



5) Connector slides off light pins.



6) Slide light out of protective acrylic tube.

NOTE:

Special care must be taken when placing screw driver under plastic connector to ensure that the screw driver does not come in contact with fluorescent glass tube.

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B) BALLAST

In the event of light ballast failure, only a licensed electrician can replace this component. Failure to use a licensed electrician may result in damage to your case and void the warranty. Light Ballast is located in the electrical box fastened to the inside right wall of the lower service compartment in the back of the case.

Ballast Type: Instant start electronic.

Brand: Advance (or equivalent).

Voltage: Noted on name plate



C) SWITCH / RECEPTICAL

Your display is equipped with a duplex receptacle featuring a light switch and 115V outlet. This outlet / switch is located in the upper right hand corner on the back (service side) of the case. The switch controls the case lighting. The electrical outlet is provided to supply power to a scale only. The maximum electrical load is 1.8 AMPS.



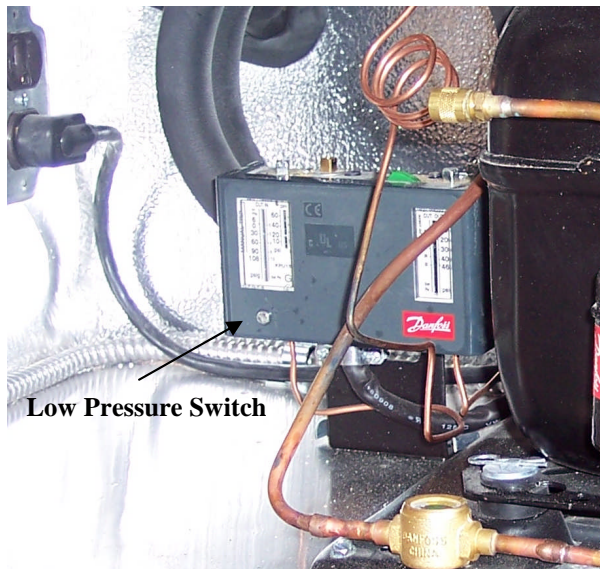
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V) TEMPERATURE CONTROL

A) LOCATION

The temperature of your case is controlled by a low pressure switch. This is located in the bottom left hand side of the compressor compartment.



B) SETTINGS

The settings on this control are pre-set at the factory to maintain proper temperature in your display.

C) ADJUSTMENTS

Adjustments to the temperature control should only be made at the direction of Alternative Air Fixtures. Service calls required to reset the control due to unauthorized adjustments are not covered by the factory warranty.

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V) TEMPERATURE CONTROL CONTINUED

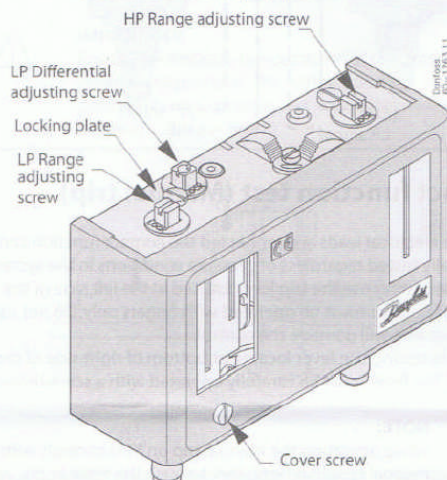
Danfoss

Adjustment



NOTE:

Adjust the pressure control with settings specified by the manufacturer of the controlled equipment. Do not exceed the pressure ratings of the controlled equipment or any of its components when checking pressure control operation or operating the controlled equipment. Do not adjust pointers beyond the highest or lowest indicator marks on the scale plate, as this may cause inaccurate control operation.



Before adjustment, loosen the locking plate.
For setting use the Universal Refrigeration Wrench.

Set Cut In/ Cut Out by adjusting range screw:

- On LP Side turn the range screw clockwise to lower the Cut In.
- On HP Side turn the range screw clockwise to rise the Cut Out.

Set differential by adjusting differential screw:

- On LP Side turn the differential screw clockwise to increase the differential.



IMPORTANT:

The scale plate is only for reference and for more precise setting a pressure gauge should be used.

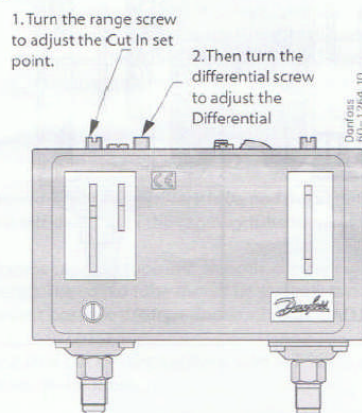


IMPORTANT:

After installing and adjusting pressure control run the controlled equipment several times (at least three cycles) at normal operating conditions.

Low Pressure Side Setting Cut Out on pressure fall.

Scale plate directly indicates the Cut In and the Differential set points.



3. The Cut Out setting equals the Cut In less the Differential:
 $CUT\ OUT = CUT\ IN - DIFFERENTIAL$

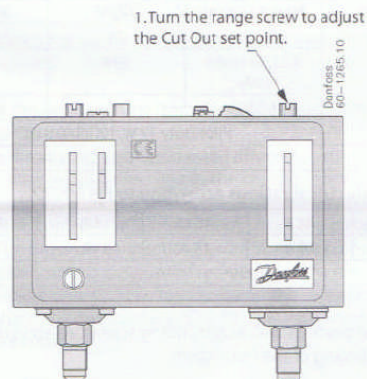


NOTE:

Cut Out set point must be above absolute vacuum! If the Differential is set too high then the control will not stop the compressor.

High Pressure Side Setting Cut Out on pressure rise.

Scale plate directly indicates the Cut Out set point.
There is no pointer for the Differential.
The Differential pressure value is fixed and printed on the scale plate.



2. The Cut In setting equals the Cut Out less the Differential:
 $CUT\ IN = CUT\ OUT - 60\ psi$

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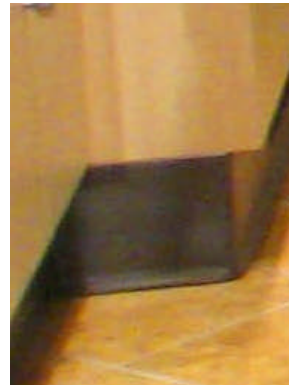
VI) FIXTURE INSTALLATION - SANITATION REQUIREMENTS

A) Methods

Check food safety sanitation codes with local authority to determine approved method of securing your new display case in position.



Ceramic Cove Base



Vinyl Cove Base



Castors



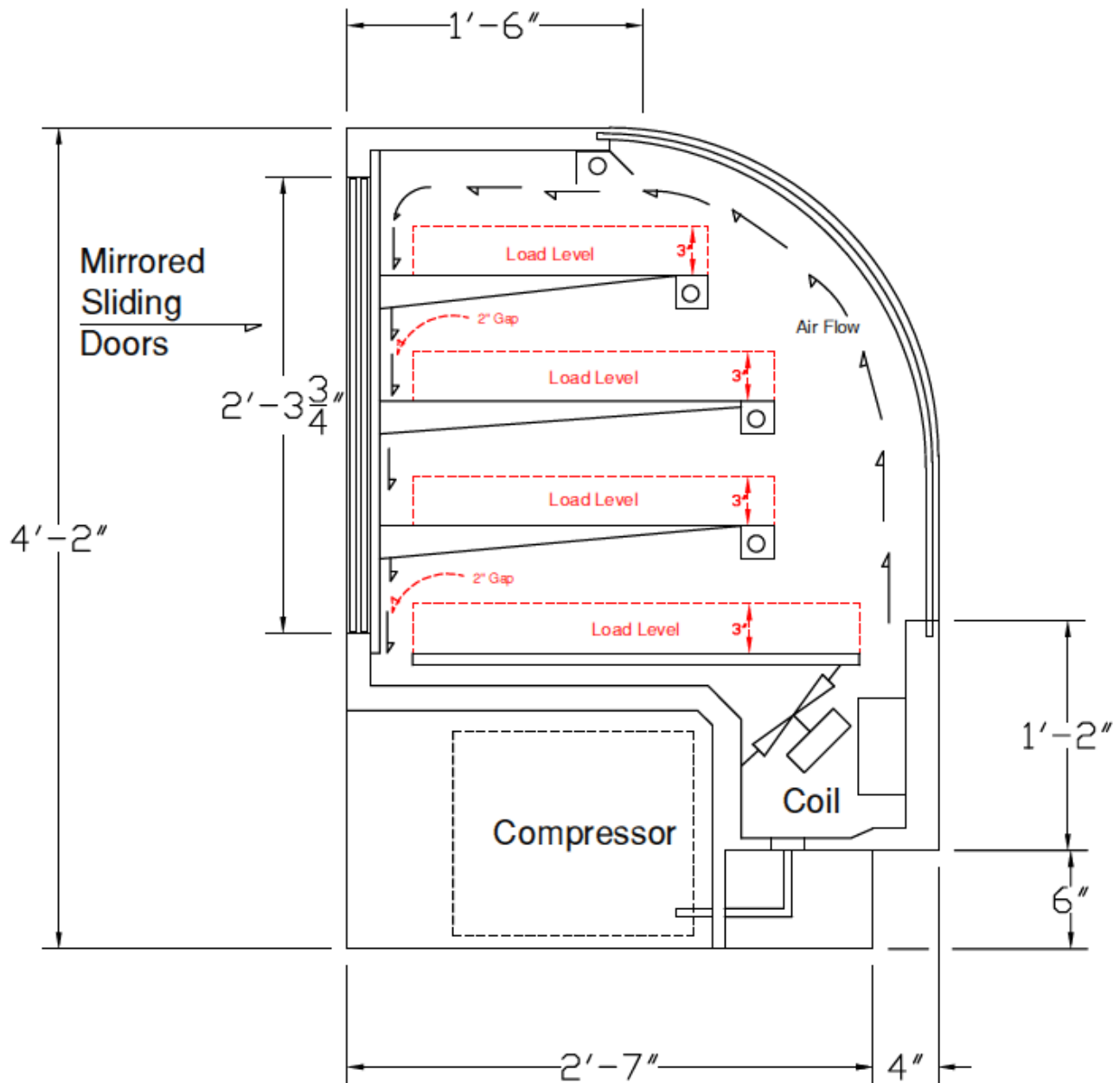
Silicone Bead Permanently Sealing Display Case to Floor. Case Must be Sealed on All Sides.

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VII) PRODUCT LOAD LEVEL / SHELF PLACEMENT

A) Product Load Level for Refrigerated Series

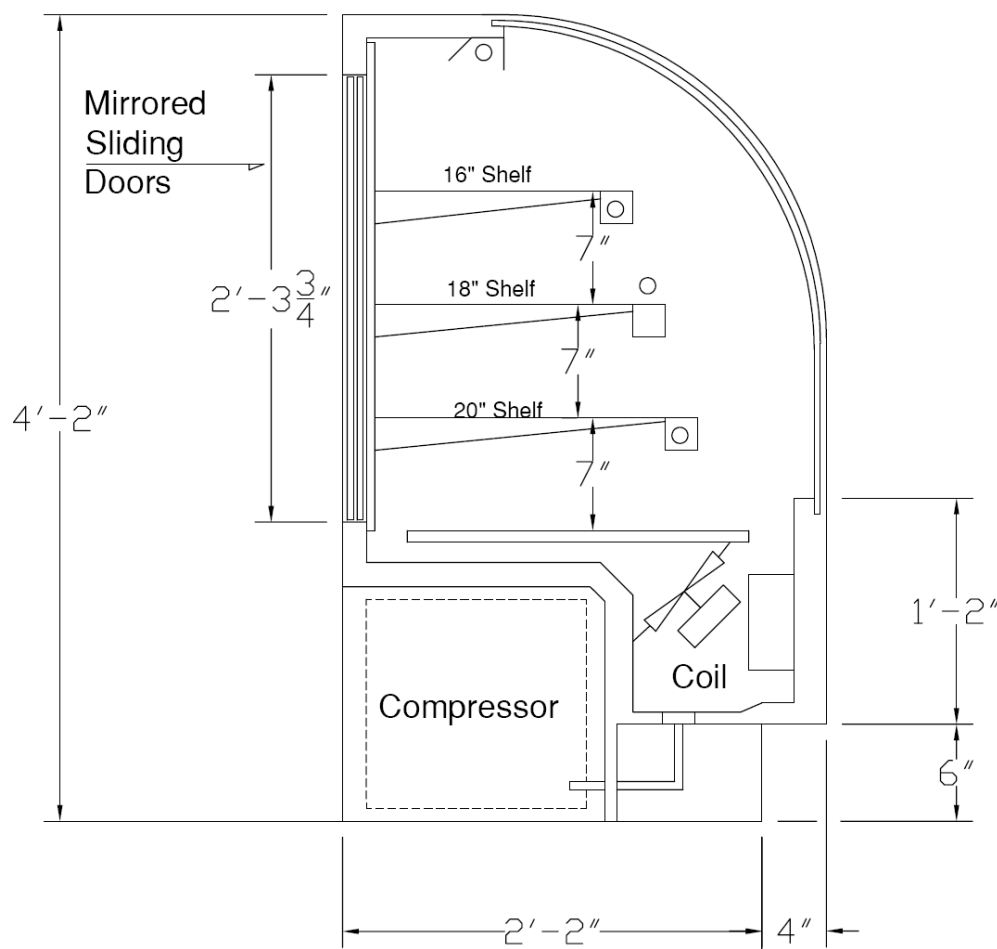


Product Load Levels

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B) Recommended Shelf Placement



RECOMMENDED SHELF PLACEMENT FOR ALL MODELS

A.A. Store Fixtures
ETL LISTED
COMMERCIAL REFRIGERATORS
& FREEZERS

9902041

CONFORMS TO ANSI/UL STD 471 & NSF-7 APPROVED

Note: Refrigerated Candy Displays with humidity control are designed to maintain temperatures between 60°F and 65°F.

VIII) WARRANTY / TERMS OF SALE

Alternative Air & Store Fixture Co. Standard Limited Warranties: One Year Parts/One Year Labor/Five Year Motor Compressor

PARTS - ONE YEAR: Alternative Air & Store Fixture Co. warrants to the original purchasers, the equipment manufactured by it to be free from defects in material and workmanship under normal use and service within 12 months from the date of original shipment from the factory. Any items returned to the factory must be authorized by Alternative Air Customer Service Department and be shipped prepaid. Replacements will be shipped collect or prepaid by the end user. This warranty does not include any material which has been subject to misuse, neglect, damage in transit, accident, negligence, or alteration.

LABOR - ONE YEAR: Alternative Air & Store Fixture Co. warrants to the original purchasers, the equipment manufactured by it. Alternative Air & Store Fixture Co. will for a period of 12 months from the date of original shipment from the factory pay the cost of labor for repairs and replacement of parts that it has determined to be defective. This warranty does not include the cost of labor for initial installation, start-up, correction of improper installations, misapplications, repairs caused by abuse and negligence, modifications, normal adjustments, drive time to and from repair site. The cost of service labor reimbursed will be based on straight-time rate and reasonable time for the repair of the defect. All service labor charges are subject to approval by Alternative Air & Store Fixture Co. Service Department.

MOTOR-COMPRESSOR - FIVE YEAR: Alternative Air & Store Fixture Co. warrants to the original purchasers that it will repair or exchange at our option, at any time during the five years following the date of original shipment from the factory a compressor of like design and capacity if the compressor or any part thereof is proved to our satisfaction to be inoperative due to defects in material or factory workmanship. This warranty does not apply to any electrical controls, condenser, evaporator, fan motors, overload switch, starting relay, temperature control, dryer, accumulator, or wiring harnesses. No claims can be made against this warranty for spoilage of product. Replacement of the compressor assembly must receive prior approval from Alternative Air & Store Fixture Co. Labor is not included and is the responsibility of the end user.

GENERAL CONDITIONS: Alternative Air & Store Fixture Co. Recommends That A Qualified Refrigeration Technician perform The Installation, Inspection, and Start-Up Of Refrigeration Equipment.

Alternative Air & Store Fixture Co. Makes No Other Expressed Or Implied Warranty, And No Person Or Representative Of The Seller Is Authorized To Add To The Seller's Liabilities In Connection With Its Products Other Than What Is Expressed.

These Warranties Do Not Apply To Remote Motor Compressor Applications.

Warranties Listed Here Are For Equipment Located Inside The Continental United States.

VIII) WARRANTY / TERMS OF SALE CONTINUED

All Service Labor And/Or Parts Charges Are Subject To Approval By Alternative Air & Store Fixture Co.. Contact The Service Department In Writing Or Call (609) 261-5870.

All Claims Must Contain The Following Information:

- **The model and serial number of the equipment.**
- **The date of the equipment failure and place of installation.**
- **The name and address of the agency which performed the service work.**
- **A complete description of the equipment failure, circumstances relating to that failure, parts replaced and itemized list of all labor charges incurred.**

All defective parts must be returned to AA Fixtures.

Alternative Air & Store Fixture Co. Shall Not Be Liable For Any Default Or Delay In Performance Caused By Any Contingency Beyond Its Control.

Warranties Do Not Include Any Food Or Business Loss And Transportation Charges To Or From Alternative Air & Store Fixture Co. Cases are Designed to Operate in an Environment of 75°F Ambient and 55% Relative Humidity.

The condenser coil on refrigerated cases needs to be kept clean to operate properly. Failure or damage to the system caused by a dirty condenser coil is not covered under warranty.

Terms of Sale

1. PRICES. Alternative Air & Store Fixture Co. reserves the right to change the price of the equipment without notice. All quotations for equipment shall be void if not accepted within 30 days.

2. DELIVERY. Shipping or delivery date is approximate. Seller will not be liable for failure to deliver due to strikes, suppliers' delays, changes requested by Buyer, or any causes beyond its control.

3. SHIPMENT. When possible, requested carrier will be used. Alternative Air & Store Fixture Co., however, reserves the right to ship via any responsible carrier. Shipping charges are payable by consignee and any claims arising as to such charges shall be resolved between the carrier and consignee.

4. DAMAGE. The consignee must make claims for damage in transit with the carrier. Alternative Air & Store Fixture Co. assumes no responsibility for damages while in transit.

5. TAXES. Federal, state, city sales or use taxes are not included with these prices.

6. CANCELLATIONS. Buyer shall compensate Seller for all special items not normally stocked. Buyer shall also compensate Seller for special labor, material costs, special engineering, etc., on all cancelled orders.

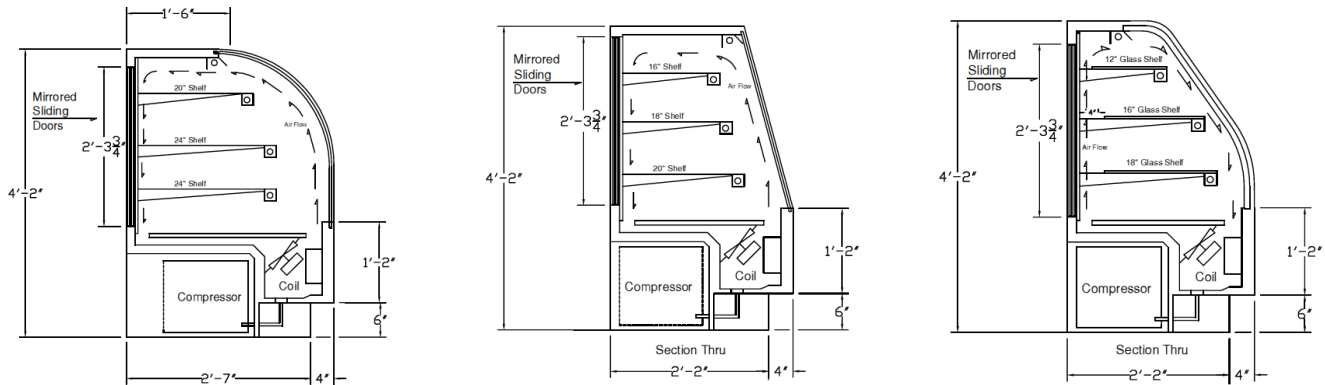
7. RETURNED GOODS. No product may be returned unless authorized in writing by Alternative Air & Store Fixture Co. If return of product is so authorized, consignee shall be required to pay a handling charge of minimum of twenty (20%) percent of the invoice price. Product must be returned in original factory crate and or blanket wrapped via van lines freight prepaid, and shall not have been used and must be in the same condition as originally shipped by Alternative Air & Store Fixture Co.

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IX) GENERAL SPECIFICATIONS

A) 30" Deep Displays



REFRIGERATED MERCHANDISERS

30" DEEP

MODEL #	L x D x H	COMPRESSOR	AMPS / 115V	LBS
AABCA/C/D-36-R	36" x 30" x 50"	1/2 hp	10.97	400
AABCA/C/D-48-R	48" x 30" x 50"	1/2 hp	11.22	475
AABCA/C/D-60-R	60" x 30" x 50"	1/2 hp	12.84	600
AABCA/C/D-72-R	72" x 30" x 50"	1/2 hp	13.00	750

DRY MERCHANDISERS

MODEL #	L x D x H	COMPRESSOR	AMPS / 115V	LBS
AABCA/C/D-36-D	36" x 30" x 50"	N/A	1.9	300
AABCA/C/D-48-D	48" x 30" x 50"	N/A	2.1	350
AABCA/C/D-60-D	60" x 30" x 50"	N/A	3.6	425
AABCA/C/D-72-D	72" x 30" x 50"	N/A	4.0	475
AABCA/C/D-96-D	96" x 30" x 50"	N/A	4.6	525

A.A. Store Fixtures

ETL LISTED

COMMERCIAL REFRIGERATORS & FREEZERS

9902041

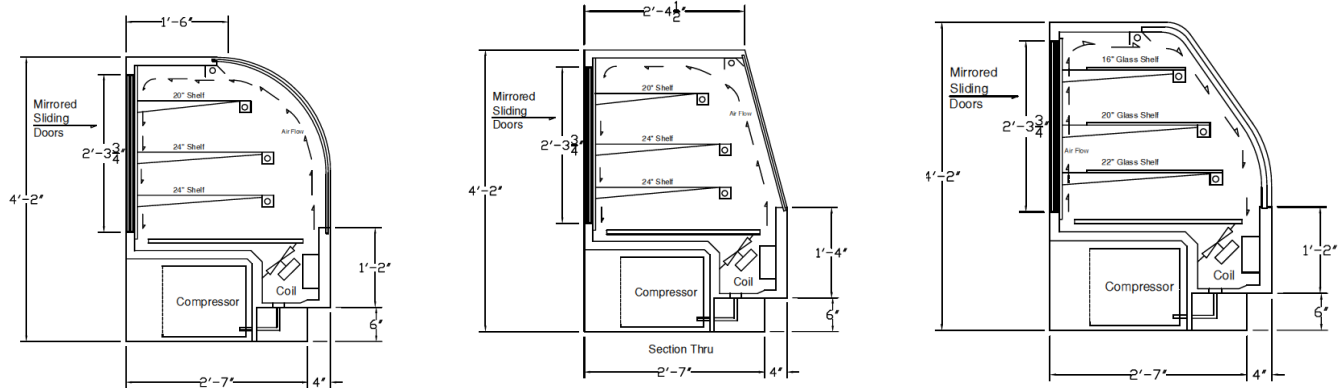
CONFORMS TO ANSI/UL STD 471 & NSF 7 APPROVED

AA Alternative Air

STORE FIXTURES

IX) GENERAL SPECIFICATIONS

B) 35" Deep Displays



REFRIGERATED MERCHANDISERS

35" DEEP

MODEL #	L x D x H	COMPRESSOR	AMPS / 115V	LBS
AABCA/C/D-36-R	36" x 35" x 50"	1/2 hp	10.97	450
AABCA/C/D-48-R	48" x 35" x 50"	1/2 hp	11.22	525
AABCA/C/D-60-R	60" x 35" x 50"	1/2 hp	12.84	650
AABCA/C/D-72-R	72" x 35" x 50"	1/2 hp	13.00	800

DRY MERCHANDISERS

MODEL #	L x D x H	COMPRESSOR	AMPS / 115V	LBS
AABCA/C/D-36-D	36" x 35" x 50"	N/A	1.9	350
AABCA/C/D-48-D	48" x 35" x 50"	N/A	2.1	400
AABCA/C/D-60-D	60" x 35" x 50"	N/A	3.6	475
AABCA/C/D-72-D	72" x 35" x 50"	N/A	4.0	525
AABCA/C/D-96-D	96" x 35" x 50"	N/A	4.6	575

A.A. Store Fixtures ETL LISTED COMMERCIAL REFRIGERATORS & FREEZERS

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CONFORMS TO ANSI/UL STD 471 & NSF 7 APPROVED



Alternative Air Store Fixtures
3C Mary Way
Hainesport, NJ 08036
Phone: 1-609-261-5870
Fax: 1-609-261-5531

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