

# **Acekool CW-196 Refrigerating Showcase Instruction Manual**

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**Acekool CW-196 Refrigerating Showcase** 



#### **Product Information**

Model: CW-146/CW-196
Refrigerant: R290/R134a
Door Type: Glassdoor
Shelf: Shelf bracket
Lighting: LED Light

• **Weight:** 18kg (39.7lb)

• Power Supply: Exclusive power socket 110-120V,60Hz

Dimensions CW-146: 24.2x22x34.4 inches
Dimensions CW-196: 31.3x22x34.4 inches

### **Product Usage Instructions**

- 1. Handle with Care: Ensure gentle handling to prevent damage.
- 2. **Dry Place:** Keep the showcase in a dry environment to prevent moisture build-up.
- 3. **Sufficient Space:** Allow enough space around the showcase for proper ventilation.
- 4. **Well Ventilation:** Ensure good airflow around the showcase for efficient cooling.
- 5. Far from Heat Source: Keep the showcase away from direct heat sources to maintain optimal performance.
- 6. No Heavy Load: Do not overload the showcase with heavy items beyond its capacity.
- 7. No Hole Making: Avoid drilling or making holes in the showcase that may compromise its integrity.
- 8. Stable Location: Place the showcase on a stable surface to prevent tipping or accidents.
- 9. **Exclusive Power Socket:** Connect the showcase to a dedicated power socket within the specified voltage range.
- 10. **Protect Cables:** Ensure cables are not damaged or exposed to prevent electrical hazards.
- 11. No Water Flushing: Do not flush the showcase with water to avoid damage to internal components.

12. **Prevent from Flammables and Explosives:** Keep flammable and explosive materials away from the showcase.

#### **Features of Function**

To reset the digital controller when displaying disorder, press the designated button for 2 seconds until the buzzer rings, then quickly press another button for 6 seconds until the buzzer rings again. The display will flash for 3 seconds, indicating a reset to factory settings.

#### Warning

Refrigerant R290 is flammable; please take precautions against fire hazards.

#### **Contact Information**

• Email: support@acekool.vip

• Website: https://www.acekool.vip

Made in China

### **Frequently Asked Questions**

Q: How do I reset the digital controller on the showcase?

A: To reset the digital controller, follow the steps outlined in the Features of Function section of the manual.

Q: What should I do if there is a power outage?

A: After a power break, ensure proper ventilation and wait for the power to be restored before resuming the normal operation of the showcase.

Q: Can I use this showcase to store medication?

A: It is advised not to store medication in the showcase. Please refer to professional guidelines for storing medications properly.

Q: What should I do if the showcase displays an error?

A: Follow the reset procedure outlined in the manual. If issues persist, contact customer support for further assistance.

Thank you for choosing and purchasing our product. Please carefully read the operation instructions before use for a correct application and satisfactory effect.

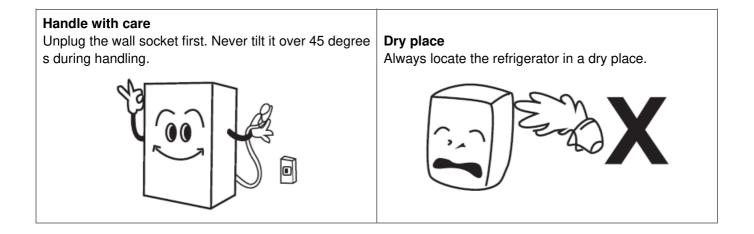
#### **General Information**

- Top brand fully enclosed compressor is used on the desktop refrigerator. The refrigerant R290/R134a is an environmentally friendly agent. It features a rational configuration of a refrigeration system with blower-forced air cooling. The temperature is quite even inside the refrigerator.
- Double hollow transparent glasses are used on the door and body. It features an artistic and elegant appearance, perfect perspective, and easy access.
- It has a wide application in department stores and houses as well as in the. meeting room and sitting room.

#### Structure and Parts

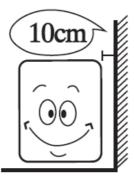


### **Handle and Erection**



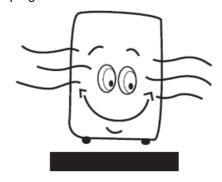
#### Sufficient space

The distance from both sides and back of the refrigerat or to the wall or other substance must be more than 10 cm. The refrigeration capability might be decreased if it s surrounding space is too small to circulate air.



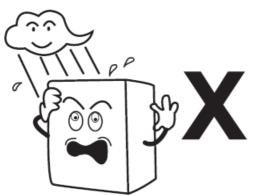
#### Well ventilation

Always locate the refrigerator in a place with fine ventil ation. For first-time use, wait for 2 hours after handling and then plug the wall socket and start it.



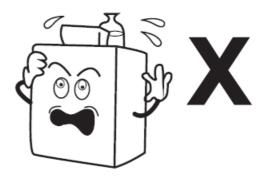
#### Far from heat source

Never place the refrigerator directly under the sunshine. Never locate it near any heat source or heat er to prevent it from reducing refrigeration capability.



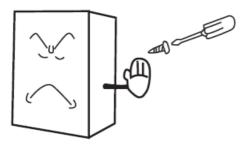
### No heavy load

Never put any heavy load on the top of the refrigerator.



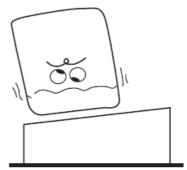
### No hole making

Never make a hole in the refrigerator. Never install oth er matter on the refrigerator.



#### Stable location

To avoid unexpected noise and vibration, Unpack and I ocate the refrigerator in a flat and solid place.



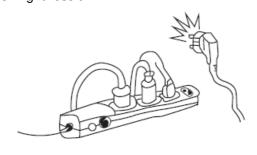
#### **Exclusive power socket**

Normally, the power supply should be 110-120V,60Hz single phase AC with exclusive single phase three pin receptacle.



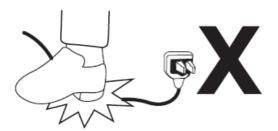
#### No share on socket

Never let the refrigerator share the common socket wit h other appliances, otherwise the cable becomes hot a nd fire might result



#### **Protect cables**

Never break or damage the cables otherwise current I eakage and fire might be resulted.



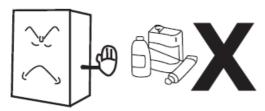
#### No water flushing

Never give the refrigerator surface a flush otherwise current leakage might result.



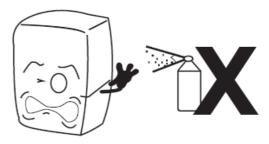
#### Prevent flammables and explosive

Never put any flammable or explosive inside the refrig erator such as ether, gasoline, alcohol, adhesive, or ex plosives. Never put dangerous products near the refrig erator.



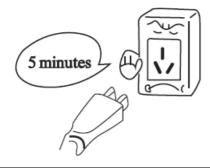
### No spray

Spraying flammables such as paint or coating near the refrigerator is not allowed, otherwise, a fire might have resulted.



#### After power break

After a power break or unplugging the refrigerator. alw ays wait at least 5 minutes and then you may plug the refrigerator and start it again.



### No medicine

No medicine is allowed to be kept inside the refrigerato r.

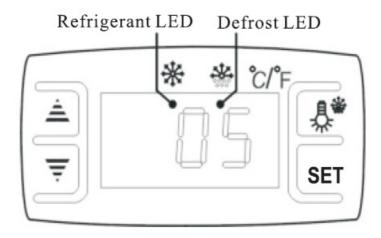


#### **Use and Caution**

#### 1. Before use:

• Plug the refrigerator on 110-120V~ exclusive socket.

- After the refrigerator running, put your hand on the air suction to confirm it is sufficiently cold. Then you may put food inside the cold box.
- 2. Digital temperature controller



#### Features of function

- It is a mini-sized and integrated intelligent controller and applies to the compressor of one HP.
- The main fuctions are Temperature Display/Temperature Control/Manual, automatic defrost by turning off/illumination Control/Value Storing /Self Testing /Parameter Locking

#### Front panel operation

- 1. Set the temperature
  - Press the button, and the set temperature is displayed.
  - Press or button to modify and store the displayed value.
  - Press the button to exit the adjustment and display the cold room temperature.
- 2. If no more button is pressed within 10 seconds, the cold-room temperature will be displayed.
- 3. Illumination: Press the button, it lights; Press again, and it stops.

Manual start/stop defrost: Press the button and hold for 6 seconds to defrost or stop defrost.

- 4. Refrigerant LED: During refrigeration, the LED is on; When the cold room temp. is constant, the LED flashes.
- 5. Defrost LED: during defrosting, the LED is on; When it stops defrosting, the LED is off.
- 6. Digital controller reset
  - When the display shows "Disorder", press the button for 2s until the buzzer rings, and quickly
  - Press the " button for 6s until the buzzer rings again, the display will flash for 3s, and it restores the factory setting.

#### **Cautions**

- Shortening the door opening time and reducing open frequency is good for keeping a cold temperature inside the refrigerator.
- Never block the air suction and outlet. Keep air circulation and refrigeration capability.

- Do not make food congested as it will influence the cooling effect.
- · Adjust the rack height for proper food storage.
- Cool the hot food down to room temperature before you put it into the refrigerator.
- Try to reduce the open times and keep the refrigerator inside cold in case the power is cut off.
- Only skilled serviceman is allowed to repair the damaged power cable with special tools.
- Never touch othe ompressor to avoid from scald.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons in order to avoid a hazard.
- This appliance is not intended for use by persons (including children) with reduced physical, sensor,y or mental capabilities, or lack of experience and knowledge unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- The operation manual is not suitable for persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- During normal operation, the emission noise level does not exceed 70dB(A).
- The maximum loading of the Shelf does not exceed 18kg (39.71b).
- The climatic class of the appliance is 4, the Units are suggested to be used at 16°C-32°C (60.8 F-89.6 F) ambient temperature.
- To avoid damages or other problems, this product can not be put or stored with any corrosive food.
- WARNING: Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.
- **WARNING:** Do not use mechanical devices of other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- WARNING: Do not damage the refrigerant circuit.
- **WARNING:** Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.

#### **ADDITIONAL WARNING**

Caution: risk of fire. The height of the triangle in the symbol shall be at least 15mm.



### Maintenance

#### 1. Notice

- Often keep the refrigerator clean and periodical maintenance is necessary.
- Always unplug the socket before maintenance.
- Never use a damaged plug or loose socket to prevent electric shock or short circuit.
- Never flush the refrigerator. Never use alkali detergent, soap, gasoline, acetone, or brush.

#### 2. Clean outside

Dip a soft cloth in neutral detergent(tableware detergent) to clean the outside of the refrigerator and then wipe it with a dry soft cloth.

#### 3. Clean inside

- Take the rack out for cleaning with water.
- Use a soft cloth to wipe the box.

### 4. Shut down the refrigerator for a long time

- Take all food out and unplug the wall socket.
- Clean both the inside and outside of the refrigerator thoroughly and open the door for sufficient drying.
- The glass breaks easily. Keep the glass far from children.

### 5. Replacement of lamp in the lightbox

If the LED lamp is damaged, it must be replaced by the manufacturer or its service agent.

### **Trouble Shooting**

Trouble	Cause and Remedy	
No refrigeration	Is the plug-in socket well? Is the fuse broken?  Is there no power?	
Unsatisfactory refrigeration	Is it under the sunshine? Is there any heat source nearby? Is the surrounding ventilation b ad?Does the door close well? Does a door open for a long time? Is the door seal strip deformed or damaged? Is food congested or too much? Does food block the air suction or outlet? Regulate the temperature controller.	
Much noise	The refrigerator does not level.  The refrigerator contacts the wall or other matter. There is a loos e part in the refrigerator.	
Contact a local service agent for help if simple troubleshooting does not solve the problems.		

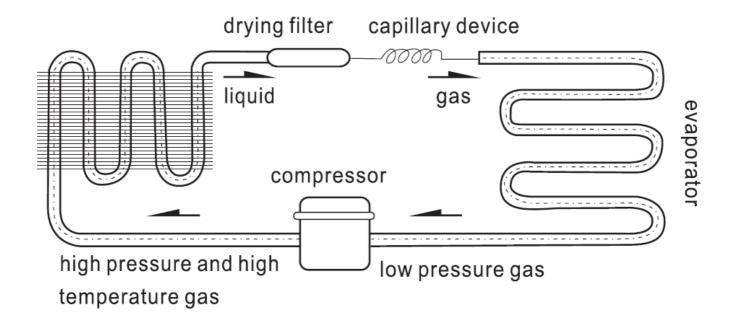
#### Note

#### The following phenomena are not troubles

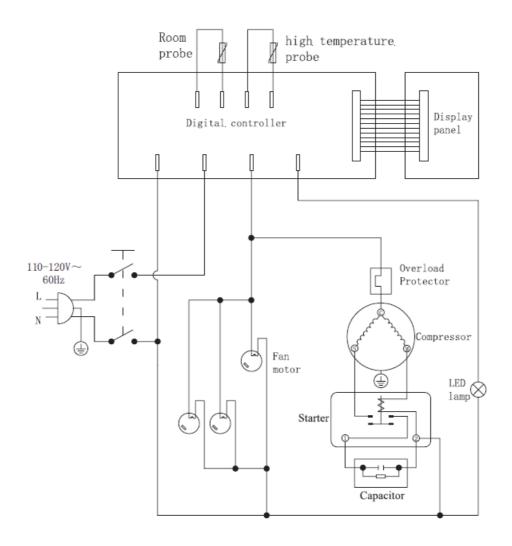
- The murmur of water is heard when the refrigerator is working. It is a normal phenomenon as the coolant is circulating in the system.
- In the wet season, condensation might be found on the outside of the refrigerator. It is not a trouble, which is caused by high humidity. Simply use a cloth to wipe it.

### **Principle of Refrigeration System**

The principle of compression refrigeration consists of "compression", "condensation" "throttling" and "vaporization". The compression is undertaken by othe compressor, the condensation is completed by the condenser, the throttling valve is executed by the capillary and the vaporization is implemented by the evaporator. When the coolant is circulating in the closed refrigeration system, the compressor sucks coolant, which absorbs heat in the evaporator, and the coolant becomes a high-pressure and high-temperature gas. In a condenser, it dissipates heat in the air, while the coolant is re-liquefied and throttled in a capillary and then enters into the evaporator with low pressure. The liquefied coolant quickly boils and vaporizes into gas when the pressure suddenly drops. Meanwhile, it absorbs heat inside the refrigerator. And the compressor sucks the low-pressure and low-temperature gaseous coolant. It is circulating in this way up to the realization of intended refrigeration.



### **Circuit Diagram**



## **Major Parameters**

Model	CW-146	CW-196
Coolant and injection quantity(g)	R290(50)	R290(70)
General Rated input power(W)	190	190
Type of climate	4	4
Refrigeration temperature (°F)	35.6-53.6	35.6-53.6
Electric shock protection class	1	1
Total effective volume(CU.FT)	5.2	6.9
Net weight(lb)	113.5	138.9
Rated voltage(V)	110-120~	110-120~
Rated Current (A)	2.1	2.4
Rated Frequency (Hz)	60	60
Overall dimension (in) (LxWxH)	24.2x22x34.4	31.3x22x34.4

- 1. The electric circuit diagram and parameters on the product nameplate are the final ones if they have been changed.
- 2. The design might be improved without notice.



#### **WARNING:**

Refrigerant is facility burning of R290, please protect against fire.



### Meaning of crossed-out wheeled dustbin:

- Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities.
- Contact your local government for information regarding the collection systems available.
- If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.
- When replacing old appliances with new ones, the retailer is legally obligated to take back your old appliance for disposal at least free of charge.

#### Acekool

• Model: CW-146/

• Email: <a href="mailto:support@acekool.vip">support@acekool.vip</a>

• Website: https://www.acekool.vip

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#### **Documents / Resources**



Acekool CW-196 Refrigerating Showcase [pdf] Instruction Manual CW-146, CW-196, CW-196 Refrigerating Showcase, CW-196, Refrigerating Showcase, Showcase

### References

### • User Manual

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