

Premium

VERTICAL SHOWCASE SERVICE MANUAL

MODEL: PRF85CD
PRF120CD

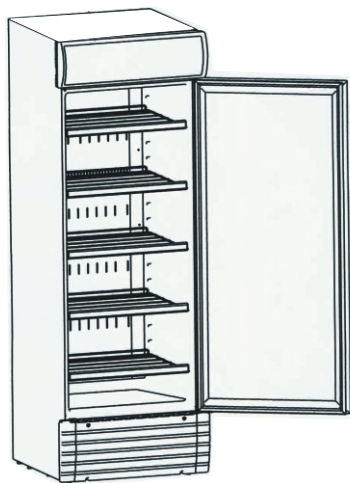
This product is for domestic use only

Use & Care Manual
Important Safeguards

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Main feature and Product appearance








No .	Parts Name	Quantity	Note
1	Door	1pcs	
2	Hinge	2pcs	
3	Shelves	4pcs/5pcs	
4	Handle	1pcs	
5	Evaporator Fan Motor	1pcs	
6	Compressor base	1pcs	
7	Condenser Fan Motor	1pcs	
8	Castors	4pcs	

Specifications

Models	PRF85CD	PRF120CD
Net capacity (cu.ft)	8.5	12
Color	Black	Black
Power Supply (V/Hz)	110~/60	110~/60
Rated Input Power (W)	240	250

Mark illustrations

-  **Warning** Wrong operations will cause users damaged or even dead
-  **Attention** Wrong operations will cause users or the appliance damaged
-  The wrong operations should be prohibited
-  The right operations should be performed strictly
-  It is a high temperature danger warning

Safety information

- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision concerning use of the appliance by a person responsible for their safety.
 - If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.
 - If the supply cord is damaged, it must be replaced by the manufacture, its service agent or similarly qualified persons in order to avoid a hazard.
 - The rated voltage is 220V~. the rated voltage is 50Hz.
If the working voltage is too low or too high, the compressor will be damaged.
 - Using three hole socket (Earthing)
To be sure safety, socket and cord must be bearing above 10A electricity.
- Anytime, making sure all socket already connected earthing. And do not charge any power cord and plug. Making plug and socket together firmly. Otherwise, it maybe leading firing.
- After machine in good position, making sure the plug is catch easing. User can tale away the plug quickly when happen suddenness.
- Do not damage power cord
When you take plug, you must grasp the plug. Do not pull the cord.
- Do not press power cord. Be carefully when carry the product. Do not damage power cord.

Safety information

■ Using & Carrying

In order to avoid hazard by glass .Do not press and pull the glass door. Because it is easing broken.

Whenever removing or transportation ,to avoid the packing front side is pressed.

■ Show case no using

Be sure the machine is for away fire in order to avoid any happened. Please relieved and the door to prevent children from access to play and accidents. Please sed the machine to one fixed place to solve it.

■ Gas or other fired out

Turn off the gas valve firstly, then open the door and window .Do not take away the plug from socket.

■ Show case fridge room

The fridge room only for fridge. Do not put some freezing food and meat ,in order to avoid thaw and metamorphose.

■ Avoiding any firing, do not put any gasoline or other flammable liquids near to show case.

■ Do not put and dangerous in the show case .Such as flammable liquids, explosive, erode, acid, alkali, ect.

■ Take care Children

To avoid hurt the children, Prevention children enter into the body, also prevention they put the hand ,foot into the compress room, back gap of show case.

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■ Prohibit change the show case

Prohibit to tear open product, changing and damaging cooling pipe .Maintaining must be done by qualified person.

■ Water proof

Do not spout, clean show case by water. Also do not put the show case at moist place to avoid electronic insulation and fire.

■ Please take away plug when happen following

Before cleaning service, failure power out please take away plug. Be for return working, you must keep it with in 5 mins ,avoid damage the compressor.

■ Fridge and freeze room

Fridge door is glass door freeze door is foaming .Fridge room only for fridging do not any freezing food.

Do not put the bottle of bear, drinking into freezing room avoid break.

Safety information

■ Assemble shelf in correct way

Because it will be hurt when shelf down. This product only use for stored food. It can not be for other using such as stored living, flower medicine, drugs, chemic, blood, ect.

■ WARNING: Keep ventilation openings, in the appliance enclosure or in the built-in strutre, clear of obstruction.

■ WARNING: Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacture.

■ 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 type recommended by the manufacturer.

Transportation and place

■ When open the packing to check for must remember every accessories, after checking must be sure good packing then transportation.

■ Whatever handling or transportation must avoid any afoul and strong shaking the packing incline can not over 45degtee to avoid the cooling system.

■ the place must be feat solid and horizon to be sure machine placing placidly. This is not only for safety

■ User can not put anything with in product 100mm in order to show case work out ave and saving.

■ Before connect electricity must be taking away the plug plastic jacket .

Do not put any food when machine get electricity. To be sure the machine working some time . Then put in the food.

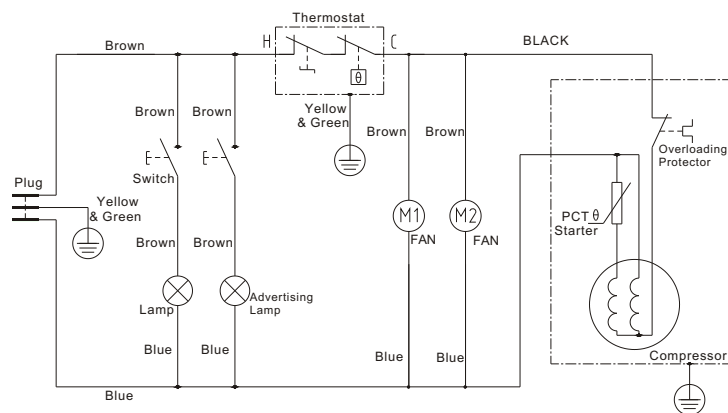
■ The machine must be placed flat and solid ground. If need too high the machine. The cushion must be flat, solid. Do not use easy fired cushion. Never put the pecking or poly from under the bottom as the cushion.

■ Do not be at moist place when catching water or polluted. Clean it using soft cloth as soon as possible. To avoid must and insulation.

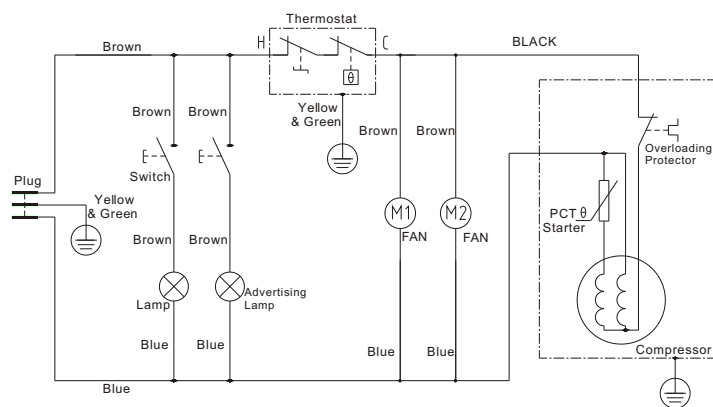
■ Do not place too cold environment and outside room and rain it use.

■ Avoid effecting working do not put the machine under heating and sun shine directly.

Elctrical Diagram



PRF85CD



PRF120CD

Maintenance and trouble shoting

(A). Not cool completely	Compressor doesn' t run, but power indicator is on.		Measure the insulation resistance by meg-ohm meter, if the insulation resistance < 1 M Ω ,the unit can' t be used for long time.	The winding is burnt.
		Power supply voltage	The voltage is too low. (Maybe lower than 175V)	Compressor can' t start because of under voltage.
	Compressor can run	Cooling system	There is no sound of refrigerant flowing in cooling system and it leaves oil on the welding point	Leakage of refrigerant
			There is no sound of refrigerant flowing in cooling system and no oil on the welding point.	Inside leakage of cooling pipe or the pipe is blocked.
		Compressor	No air is discharged out on the discharging mouth of the compressor.	Compressor valve is breakdown
			There is abnormal sound inside compressor	Compressor is breakdown

Maintenance and trouble shooting

(B)、 Compressor runs but cooling effect is not good.	Incorrect using	Check the thickness of frost(>5mm?)	The frost is too thick
		Thermostat is set at higher temperature (lower digit)?	Set it to lower temperature
		There is too more food in cooling compartment, too crowded, ensure good air circulation inside freezer	Too more food
		Is there high temperature food, like hot soup etc., inside freezer?	Hot temperature food let the temperature inside freezer cooling compartment rise.
		Too more times of opening of the door	It will affect the cooling effect
	Leakage of cooling air	Check the door gasket sealing strip is broken or deforming	Broken of the door gasket sealing strip
		Check the door is warded off by the food and the door is closed tightly or not.	The door is not closed tightly
	The unit is not placed at good position	The freezer is inside direct sunshine	The unit can not dissipate the heat because sunshine
		The back of the unit is too close to the wall	Too close will affect the heat dissipation
		There is heat source near the unit.	Over-hot environment will affect the heat dissipation
(C)、 Temperature is too low	Abnormal action of thermostat	Check the sensor head of the thermostat is loosening or not	Incorrect temperature sensing of thermostat

Maintenance and trouble shooting

		Thermostat is not at good quality	Thermostat is breakdown
(D)、 Water condensate	There is condensed water on the closure	The environment is too wet	The relative humidity is too high
(E)、 Leakage of electricity	Electrical shock sense on the enclosure	Confirm the insulation resistance is lower than 1 MΩ by the meg ohm meter	Insulation is not good
		Check the electrical parts of the unit are wet	Insulation is not good
		Check the electrical parts touch with the metal enclosure or not, and the grounding lead is not grounded properly	Electricity leakage
		Check it have static electricity influence	Static electricity influence
(F)、 Too noisy and vibration	There is sound inside compressor	Check the compressor has abnormal sound or not.	Compressor abnormal
	There is vibration sound	Check the pipe is touched each other or not	Pipe touching produce resonance
		Check the installation ground is flat and the feet is adjusted at proper position or not	The unit is not placed evenly

(一)、Note of the cooling system maintenance with R134a refrigerant:

一、The requirement of the cooling system parts:

Because refrigerant R134a and its lubricating oil grease is of strong water absorbability and oxidation ability, and will cause catalysis reactivity with chloride to produce impurity to be silt. So during service process, you should pay more attentions to the water quantity, oxide quantity, chloride quantity, oil quantity and impurity quantity in the cooling system, and control it more strictly.

• Left water quantity control:

1) If the cooling system parts, like condenser, evaporator, compressor, or the dry filter etc., need to be replaced, the replaced parts should be stored charging with dry nitrogen with pressure 0.2~0.3Mpa, and if these parts have leakage of nitrogen, they must be dried in the high temperature chamber and be taken out of the water before using.

Maintenance and trouble shooting

2) The molecular dry desiccant inside dry filter must be controlled strictly, guaranteed that the left water quantity must be lower than 1.5WT%. And normally, after the dry filter is opened from vacuum package, must be welded to the pipe system within 5 minutes. If at wet condition (relative humidity>50%), must take measure to be protected from humidity, and the dry filter must be connected to the system pipe at once after removing from package, so as to produce the sealing system.

二、The requirement of the service equipment:

- ①No need recycling equipment, except charging machine, if the equipment is special for R134a refrigerant system, must mark it clearly to avoid use each other. (except welding machine, pliers, electronic balance)
- ②The vacuum machine and charging machine are special used for R134a refrigerant system.

三、Service Procedure:

Special requirement during service process:

- (a). Duration of from opening of compressor to vacuuming process must be less than 10 minutes, and for other parts not more than 12 minutes.
- (b). Vacuuming duration should not loess than 20 minutes.
- (c). If refrigerant leakage happens, it need to replace the compressor. Before welding, dry the cooling system by the nitrogen air.
- (d). If the dust blockage happens in cooling system pipe, if can be blow out by the nitrogen, don' t need to replace the compressor, otherwise the cabinet is no useful (and the evaporator is no useful).
- (e). If ice blockage happens in the system pipe, must replace the compressor.
- f. Change the dry filter only if the system is opened.

四、Main point of service:

- ①The replaced compressor must return back to the compressor manufacturer to be treated.
- ②The compressor can' t be tested through direct absorbing atmosphere, it will damage the compressor.
- ③If the system pipe is opened for a long time or leakage happens, you can dry the system by nitrogen during service.
- ④All of the welding material must be protected from wet condition. And ensure to use a little as enough as possible.
- ⑤Check the compressor is pressurized or not when opening.
- ⑦When storing the R134a refrigerant, must keep it sealed and not touch with atmosphere directly.

(二)、The performance testing requirement after service:

After completing the service, normally need to be done test running for 1-2days. When proved to be safely and good cooling performance, then move to the customer or user. During test running, we suggest that you can do following item:

1、Insulation and safety:

Before plugging in, use the DC 500 meg-ohm meter to measure the insulation

Maintenance and trouble shooting

resistance between the live parts and dead metal enclosure, ensure the result is not lower than 1 meg-ohm.

2、Starting capability:

The compressor can start smoothly, and can start or stop normally. If the unit can't start or stop normally, must find the root cause and delete the cause, then you can plugging it in to let it run.

3、Cooling performance:

After running for 24 hours, check that the frost on the surface of the cabinet linear is oven or not, and there is no frost on the suction pipe.

4、Electrical structure and safety:

After service, check all of the electrical parts, ensure the connection terminal of the electrical parts don' t loose and the grounding wire is ok.

5、Leakage checking:

After running for 24 hours, check one by one of welding point by using halogen leakage detecting device or suds. If leakage happens again, then should service again.



Premium

Manual de uso y cuidado
Precauciones importantes
Este producto es para uso domestico únicamente