

DC Compressor Refrigerator

User Manual

Model: DCR50A/50DA/60DA

DCR75A/75DA/80DA

DCR105A/105DA

DCS90A/90DA

DCS130DA/150DA

**Congratulations on the purchase of this quality DC compressor refrigerator.
We the manufacturer trust that you will enjoy many years of trouble free use.
Please read the instructions carefully before using your refrigerator.**

1.Safety Instructions



Warning (Safety Priorities)

1. Do Not Disassemble or Repair by Yourself

- ✧ The compressor and refrigeration system contain high-pressure refrigerant. Non-professional operation may cause electric shock, refrigerant leakage, or equipment damage. Contact authorized service for repairs.

2. Power and Voltage Safety

- ✧ Use only the rated voltage 12V/24V DC .Ensure power cords are undamaged. Avoid unstable power sources (e.g., aging inverters) to prevent compressor burnout.

3. Ventilation Requirements

- ✧ Maintain a $\geq 10\text{cm}$ clearance behind the refrigerator for heat dissipation. Do not block ventilation openings. Poor airflow may cause compressor overheating, shutdown, or long-term fire hazards.

4. Tilt and Movement Restrictions

- ✧ Do not tilt the refrigerator beyond 3° during operation. When moving, keep the tilt angle below 45° (to prevent compressor oil backflow and component damage).

5. Prohibited Items

- ✧ Flammables (e.g., alcohol, gas canisters), corrosive liquids, dry ice, or explosives are strictly forbidden. Risk of explosion or chemical corrosion.

6. Child Safety

- ✧ Keep children away from the refrigerator to prevent climbing or hiding inside. A child lock function is recommended for added safety.

2.Important Notes

1. Initial Use

- ✧ Allow the refrigerator to stand upright for 2-4 hours after transportation before powering on (to stabilize refrigerant). Set the temperature and wait 2-3 hours for stable cooling.

2. Loading Guidelines

- ✧ Store food in sealed containers with liquid openings facing upward.
- ✧ Cool hot items to room temperature before placing them inside to avoid frost buildup and energy waste.

3. Energy Efficiency & Maintenance

- ✧ Minimize door openings. Clean door seals regularly with a soft cloth to prevent mold.
- ✧ Before long-term storage, unplug the unit, empty contents, and leave the door open to prevent odors.
- ✧ Replacing the fuse

4. Environmental Compatibility

- ✧ High ambient temperatures may reduce cooling efficiency.
- ✧ Ensure the RV is level when parked. Sudden braking while driving may cause internal damage from shifting items.

5. Troubleshooting the most common faults

✧ Foodstuffs has been frozen:

Change the cooling temperature to higher one, the set temperature is too low.

✧ Droplets of liquid appear around the fridge door:

Drops of liquid appear due to the temperature difference between the device and its surroundings and are normal.

✧ The device makes a sound of flowing liquid:

The sound is normal.

✧ When starting the device, the compressor makes a loud noise:

It is normal for the compressor to work loudly at start-up.

✧ The device does not work:

-Check that the device is correctly connected to the power source.

-Check if the device has been switched on with the On/Off button .

-Check whether the power supply is operational.

-Check that the fuse has not blown.

3. Main Technical Parameter

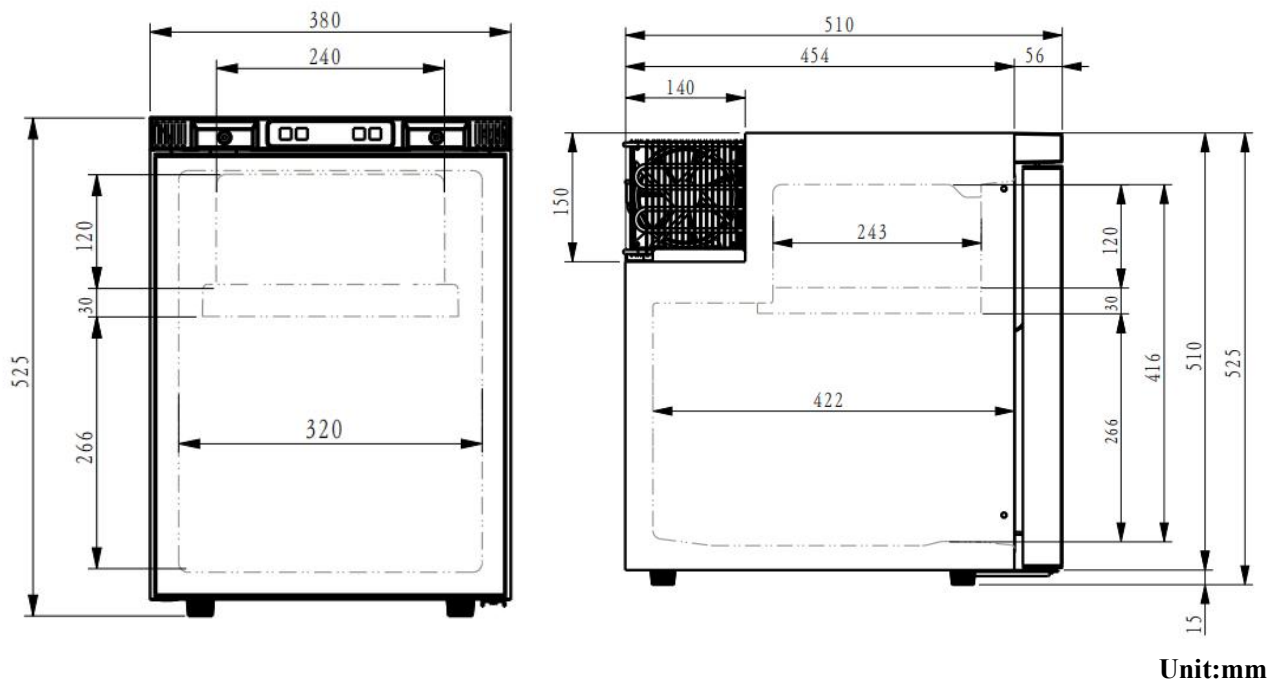
Product Model	DCR50A/DCR50DA	DCR60DA
Capacity	42.6L (6.6L Freezer, 36L Fridge)	57L (7L Freezer, 50L Fridge)
Power Specification	DC 12V/24V	DC 12V/24V
Power Consumption	60W	70W
Climate Class	SN	SN
Ambient Temperature	from +10°C to +32°C	from +10°C to +32°C
Noise Level	40dB	40dB
Refrigerant	R600a (15g)	R600a (20g)
Freezer temp.	-18°C ~ - 5°C	-18°C ~ - 5°C
Fridge temp.	0°C ~ 10°C	0°C ~ 10°C
Product Dimension	W380 x D510 x H525mm	W475 x D450 x H625mm
Net Weight	13.7kg	20.7kg
Gross Weight	16.4kg	23.6kg

Product Model	DCR75A / DCR75DA	DCR80DA
Capacity	72L (10L Freezer, 62L Fridge)	80L (15L Freezer, 65L Fridge)
Power Specification	DC 12V/24V	DC 12V/24V
Power Consumption	60W /65W	70W
Climate Class	SN	SN
Ambient Temperature	from +10°C to +32°C	from +10°C to +32°C
Noise Level	40dB	40dB
Refrigerant	DCR75A--R600a (18g) DCR75DA--R600a (20g)	R600a (20g)
Freezer temp.	-18°C ~ - 5°C	-18°C ~ - 5°C
Fridge temp.	0°C ~ 10°C	0°C ~ 10°C
Product Dimension	W475 x D535 x H625mm	W475 x D450 x H810mm
Net Weight	19.2kg	24.4kg
Gross Weight	23.1kg	27.9kg

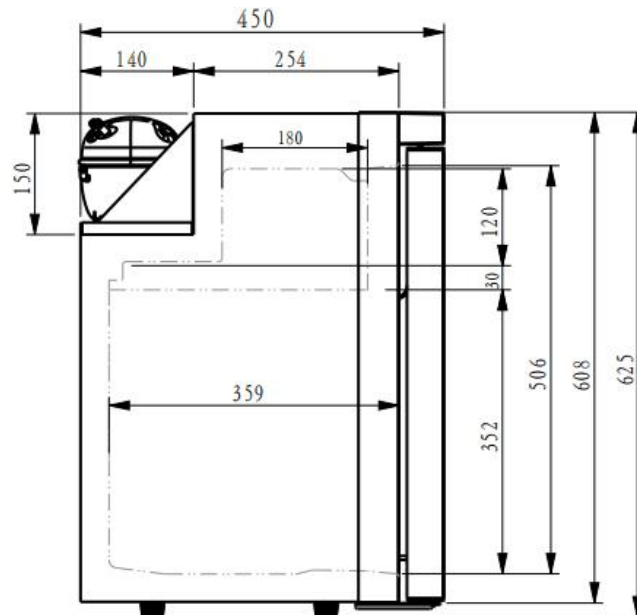
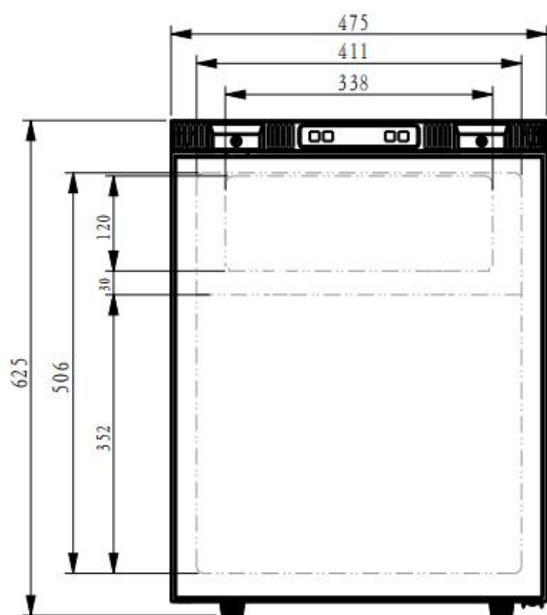
Product Model	DCR105A / DCR105DA	DCS90A / DCS90DA
Capacity	104L (22L Freezer, 82L Fridge)	90L (16L Freezer, 74L Fridge)
Power Specification	DC 12V/24V	DC 12V/24V
Power Consumption	65W /70W	65W /70W
Climate Class	SN	SN
Ambient Temperature	from +10°C to +32°C	from +10°C to +32°C
Noise Level	40dB	40dB
Refrigerant	DCR105A--R600a (18g) DCR105DA--R600a (20g)	DCS90A--R600a (18g) DCS90DA--R600a (20g)
Freezer temp.	-18°C ~ - 5°C	-18°C ~ - 5°C
Fridge temp.	0°C ~ 10°C	0°C ~ 10°C
Product Dimension	W475 x D535 x H810mm	W420 x D490 x H975mm
Net Weight	23.4kg	22.3kg
Gross Weight	27.4kg	26.6kg

Product Model	DCS130DA	DCS150DA
Capacity	132L (33L Freezer, 99L Fridge)	156L (33L Freezer, 123L Fridge)
Power Specification	DC 12V/24V	DC 12V/24V
Power Consumption	75W	75W
Climate Class	SN	SN
Ambient Temperature	from +10°C to +32°C	from +10°C to +32°C
Noise Level	40dB	40dB
Refrigerant	R600a (24g)	R600a (26g)
Freezer temp.	-18°C ~ - 5°C	-18°C ~ - 5°C
Fridge temp.	0°C ~ 10°C	0°C ~ 10°C
Product Dimension	W420 x D560 x H1300mm	W420 x D560 x H1500mm
Net Weight	35.6kg	39.3kg
Gross Weight	41kg	45.3kg

4.Device Dimensions

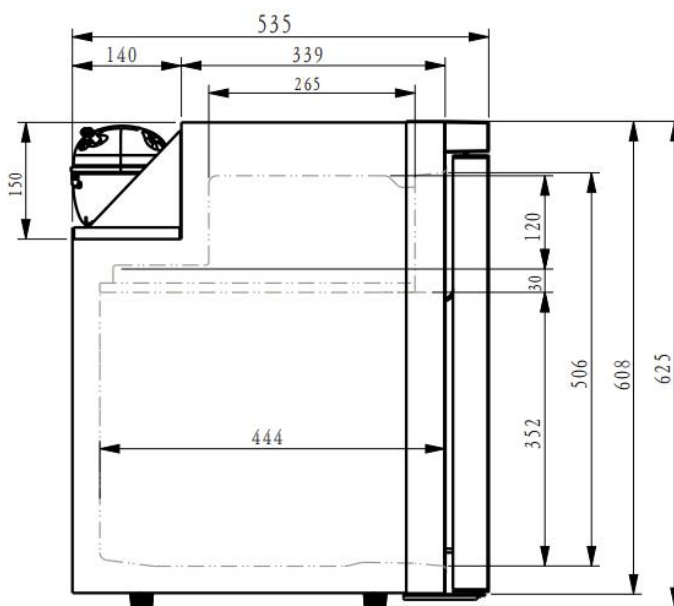
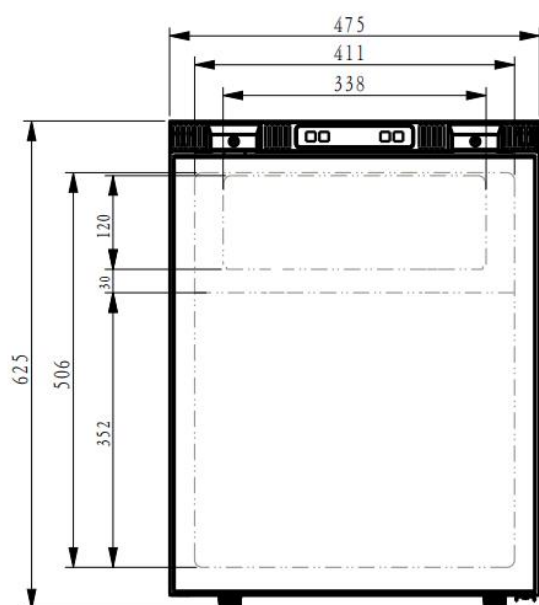


Model: DCR50A DCR50DA



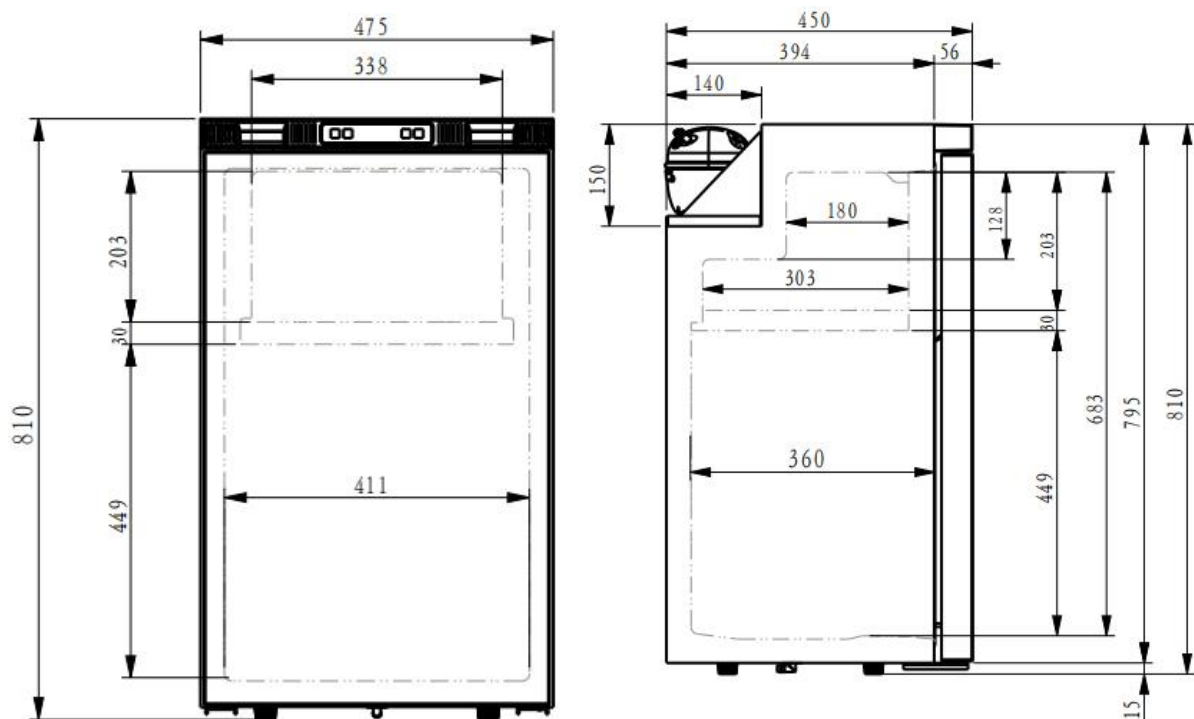
Unit:mm

Model: DCR60DA



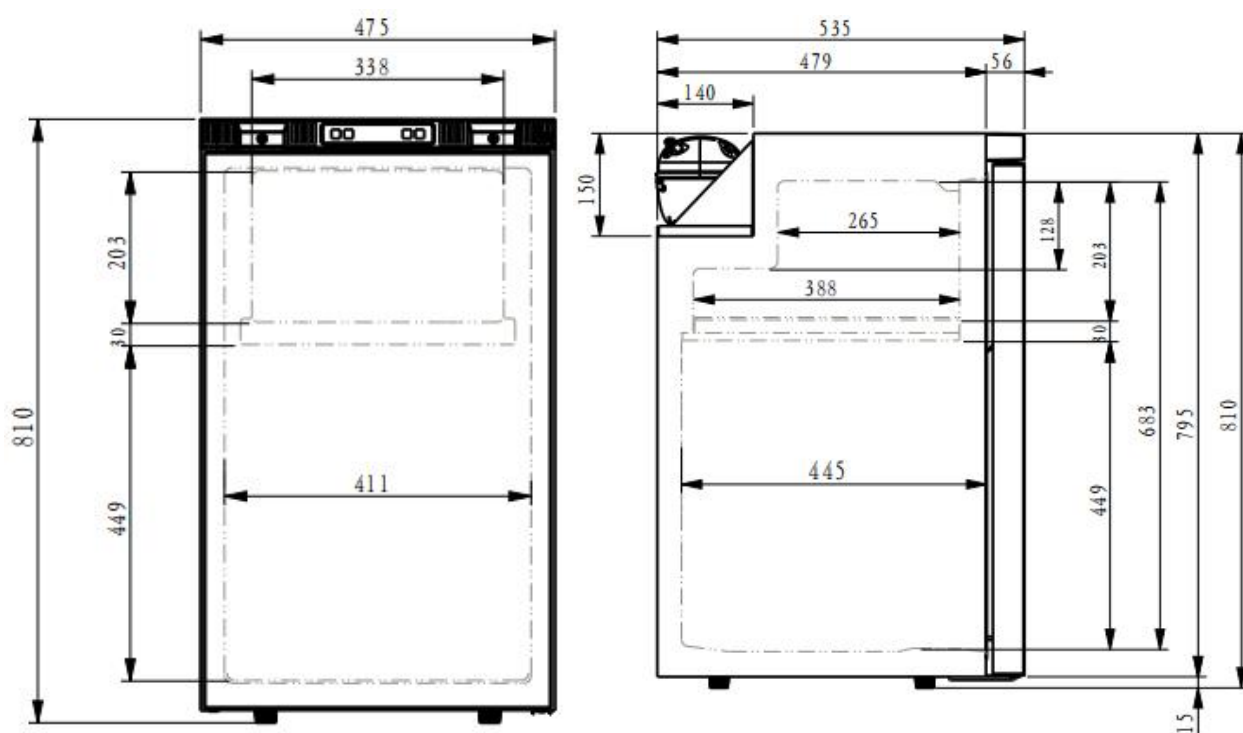
Unit:mm

Model: DCR75A DCR75DA



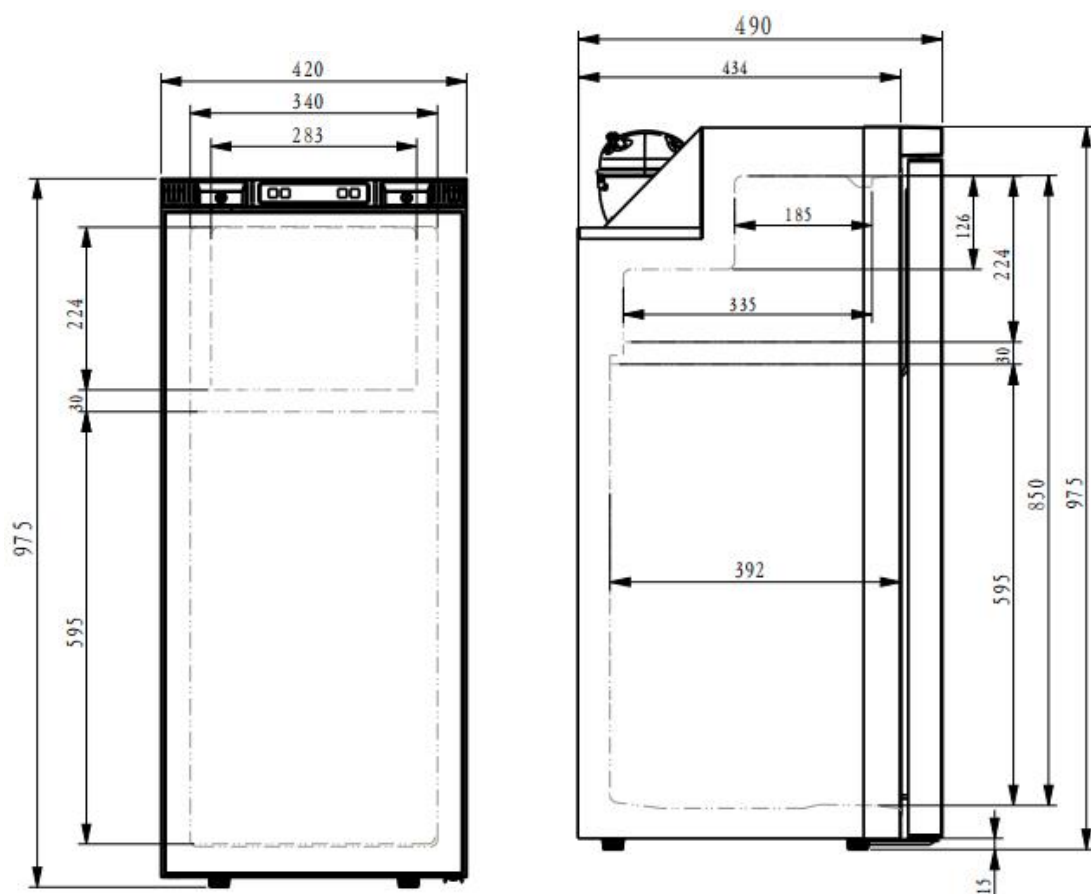
Unit:mm

Model: DCR80DA



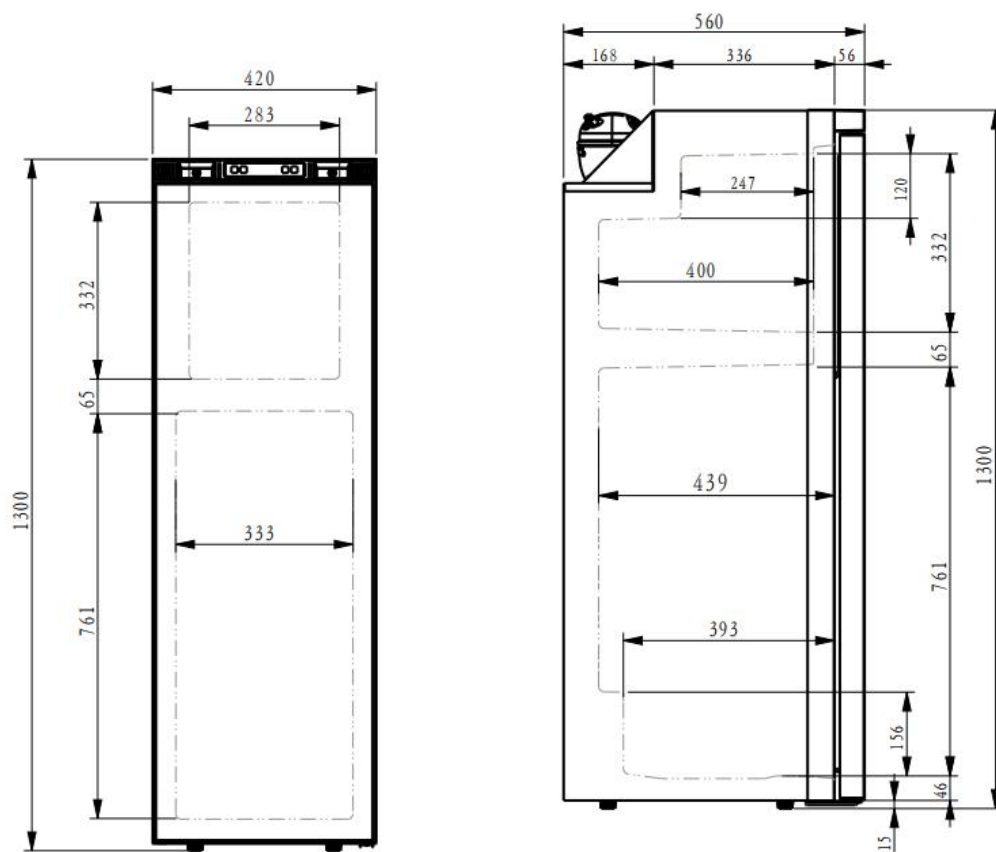
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Model: DCR105A DCR105DA



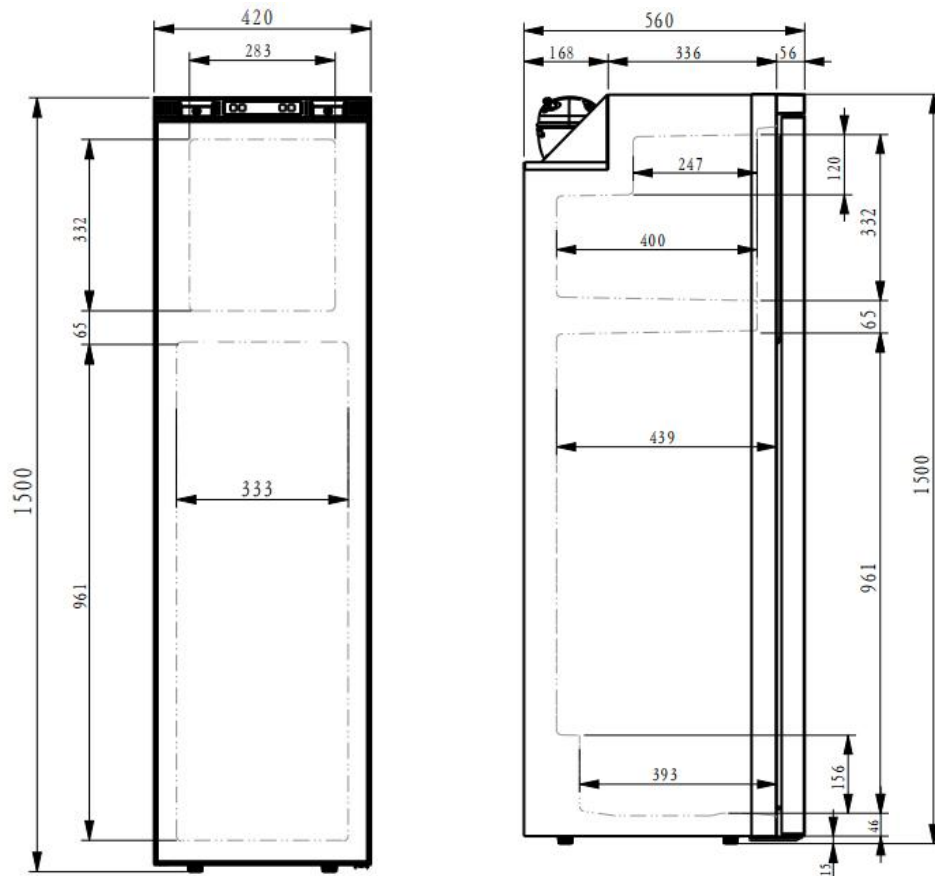
Unit:mm

Model: DCS90A DCS90DA



Unit:mm

Model: DCS130DA



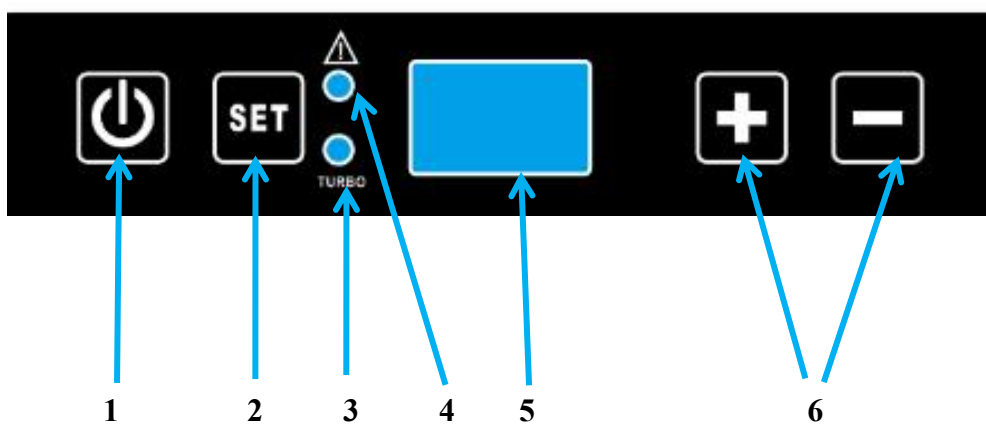
Unit:mm

Model: DCS150DA

5.Control Panel and Display

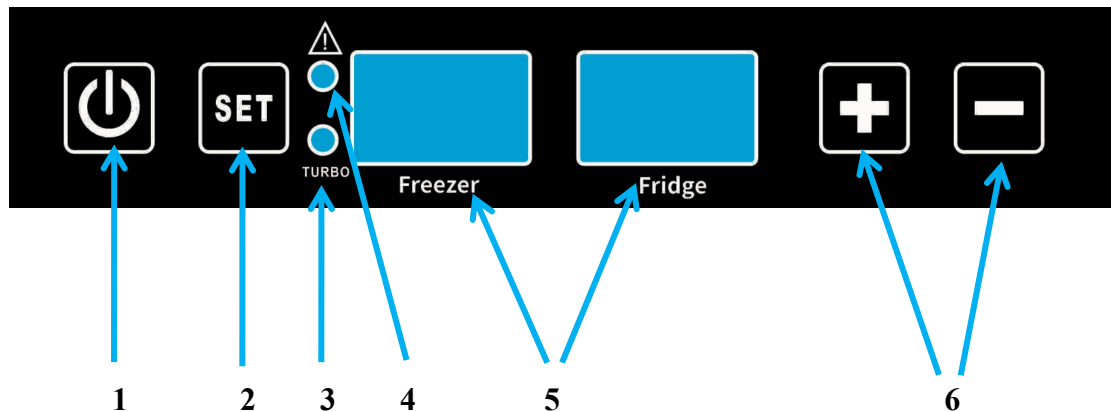
5.1 Single Control

(Models: DCR50A, DCR75A, DCR105A, DCS90A)



5.2 Dual Control

(Models: DCR50DA, DCR60DA, DCR75DA, DCR80DA, DCR105DA, DCS90DA, DCS130DA, DCS150DA)



1. Power switch
2. SET button
3. TURBO mode indicator light
4. Fault indicator light
5. LED display
6. Temperature setting button

6. Operation instructions

6.1 Single Control

(1)  Turn on /off the freezer

(2)  Press it to adjust the setting temperature of Fridge.

Fridge Zone: 0°C to 10°C. The temperature range of Freezer Zone is -18°C to - 5°C, it can not be adjusted.

(3) Press  and hold it for 3 seconds to toggle Turbo mode on/off. When Turbo is running,



the light here will be on.

(4)  Press it third time to switch between Fahrenheit and Celsius, press  and  for setting. After the display panel flashes, exit and save the current settings.

- (5)  Temperature Rise  Temperature Drop

Press the  or  while the temperature setting number is flashing to adjust the set temperature of the Fridge Zone.

After completing the settings, the fridge will show the current actual temperature if there's no operation in 6 seconds.

- (6) Night mode setting

Long press  and  button for 3 seconds to turn on or turn off the night mode. When H1 appears on the display panel, it means turn on the night mode and the screen will automatically turn off after 1 minute. When H0 appears on the display panel, it means turn off the night mode and the screen will keep on.

6.2 Dual Control

- (1)  Turn on /off the freezer

- (2)  Press it to adjust the setting temperature between Freezer Zone or Fridge Zone.

Freezer Zone: -18°C to - 5°C, Fridge Zone: 0°C to 10°C.

 Press it once to adjust the temperature of Freezer Zone and press it again to switch to adjust the temperature of Fridge Zone.

- (3) Press  and hold it for 3 seconds to toggle Turbo mode on/off. When Turbo is running,



the light here will be on.

- (4)  Press it third time to switch between Fahrenheit and Celsius, press  and  for setting. After the display panel flashes, exit and save the current settings.

- (5)  Temperature Rise  Temperature Drop

Press the  or  while the temperature setting number is flashing to adjust the set temperature of Freezer and Fridge zones.

After completing the settings, the fridge will show the current actual temperature if there's no operation in 6 seconds.

(6) Night mode setting

Long press  and  button for 3 seconds to turn on or turn off the night mode. When H1 appears on the display panel, it means turn on the night mode and the screen will automatically turn off after 1 minute. When H0 appears on the display panel, it means turn off the night mode and the screen will keep on.

(7) Press  and  for 6 seconds to enter the settings and select between dual temperature control and single temperature control function.

When the refrigerator is used with Freezer compartment, select the C2 to enter dual temperature control function and can adjust the setting temperature of Freezer and Fridge compartments.

When the Freezer compartment is removed, select the C1 to enter single temperature control function and the display screen of Freezer will off, only Fridge display screen on which can adjust temperature from -8°C to 10°C.

7.Mounting the drain-pipe

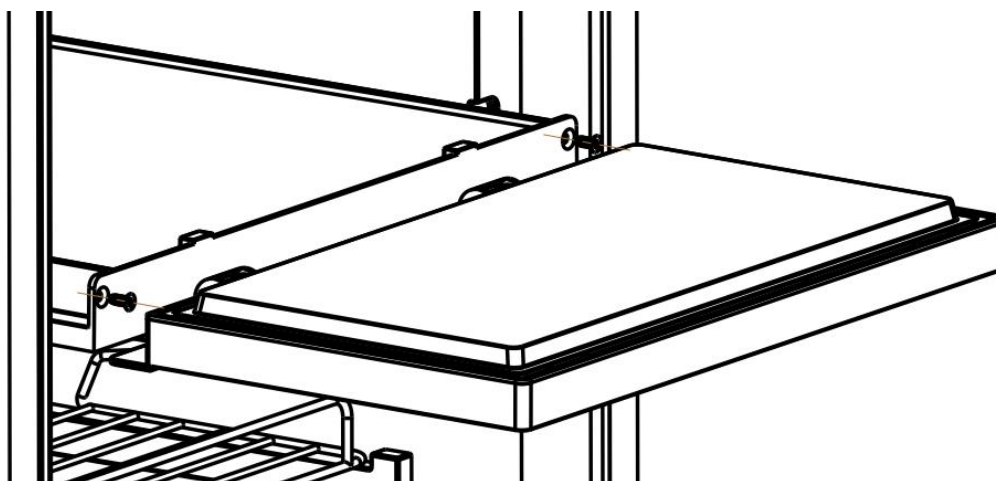
- ✧ Lay the refrigerator on its side in order to access the bottom side.
- ✧ Connect and secure the drainage pipe to the bottom drainage outlet.

8.Remove the Freezer Compartment Divider

(Only Applicable to the Models of:

DCR50A/50DA, DCR60DA, DCR75A/75DA, DCR80DA, DCR105A/105DA, DCS90A/90DA)

The divider can be removed with a screwdriver as needed. Please store the screws securely after disassembly.



It is recommended to choose the single temperature control function after removing the freezer

compartment. Pressing  and  button simultaneously and hold them for 6 seconds, select the C1 to change dual temperature control into single temperature control.

9.Change the direction of door opening

The fridge door original standard is opened from left to right. You can also change the direction of the door opening, so that it opens to the left rather than the right.

Remove the door of the fridge and reposition it to the opposite side to switch the opening direction.

10.Trouble shooting

Fault Code	Problem Possible Cause	Solution
E1	Battery protection (Input voltage is lower or higher than the set value)	Ensure that the input voltage is within the range 12V: 10V~17V;24V: 21.8V~31.5V
E2	Fan overcurrent (Fan load exceeds 1A current)	Replace the fan
E3	Compressor motor startup error	Turn off and left for 30 minutes, it can be resolved by restarting the machine. If the problem persists after restarting, replace the starter.
E4	Compressor motor speed error	
E5	Compressor controller thermal protection (System overload or ambient temperature too high,causing controller overheating)	
E6	Freezer compartment temperature sensor fault	Contact the seller
E7	Fridge compartment temperature sensor fault	Contact the seller

✧ It is best to contact the seller as soon as a fault code appears, provide refrigerator fault information, and work together to solve the problem

11.Contents of the package

Compressor refrigerator

Drainage pipe

User manual

Screw concealer cover

Retaining screws