ZERO

ARB FRIDGE FREEZER



Single Zone Models: 36L (38qrt), 44L (46qrt), 60L (63qrt), 73L (77qrt), 105L (111qrt)

Dual Zone Models: 69L (73qrt), 96L (101qrt)

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1. INTRODUCTION

Congratulations on purchasing the ARB ZERO Fridge Freezer. Your ARB ZERO Fridge Freezer has been specifically designed for tough off road conditions and its primary purpose is for cooling down food and beverages. It may also be used as a freezer if desired. By following the instructions and guidelines listed in this document, you will ensure that you receive maximum performance and long term reliability out of your new fridge freezer.

Your ARB Fridge Freezer is designed to operate on a 12V DC or 24V DC supply from a vehicle, boat or caravan. It can also be operated from a 100-240V AC mains supply using the inbuilt power inverter.

CAUTION - If you wish to cool medicines, please check if the cooling capacity of the fridge freezer is adequate for the purpose.

2. SUPPLY DETAILS

Your ARB Fridge Freezer has been delivered with the following items. If any of these items have not been included with your fridge freezer, please contact your local ARB Fridge Freezer dealer.

ITEM	QUANTITY
ARB Fridge Freezer	1
Basket system	1
DC socket cover	1
12/24V power cable	1
100-240V power cable	1
ARB Fridge Freezer instruction	1

3. SAFETY INSTRUCTIONS

For the safety of all people who will use your fridge freezer, ARB recommends that you take note of the following general safety points.

- Do not use if any of the electrical cables or plugs are worn or frayed. Replace with original manufacturers parts.
- Always check cables for mechanical damage, cuts in the insulation and heat / moisture damage before use. If in any doubt REPLACE.
- Do not handle electrical cables with wet hands.
- Do not place electrical items in refrigerator.
- Always apply the correct voltage to the fridge freezer with the correct polarity.
- Do not connect your fridge freezer to a battery charger, AC/DC converter or rectifier.
- Disconnect the fridge freezer from the battery before using a high-speed battery charger.
- Do not use sharp, abrasive or corrosive materials to clean or defrost the fridge freezer.
- Best performance is achieved under ambient temperatures between +10 °C and +32 °C, beyond 32 °C the performance will drop and power consumption increase.
- Do not consume perishable food stored in your fridge freezer if the fridge freezer has been turned off.
- Repairs should only be carried out by a suitably qualified and authorized person. Poor repair is dangerous.
- Do not store dangerous items in the appliance, such as spray cans, explosives, and flammable liquids / propellants.
- Do not operate this appliance in the rain.
- Do not allow children to play with the appliance.
- 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 or instruction concerning use of the appliance by a person responsible for their safety.
- Small children must be supervised when around all electrical appliances.
- Do not allow children or pets to climb inside the appliance.
- Always disconnect before cleaning.
- Food must be stored in suitable and appropriate containers.
- If your appliance is plugged in to a DC vehicle socket connected with your vehicle start battery, ensure that you use the inbuilt battery protection feature. Do not come back to a flat battery.
- Do not fill appliance with ICE, WATER or other liquids.
- Do not attempt to remove frost with scraper or knife. Serious damage to cooling system could occur.
- Buildup of heat in a vehicle can be extreme. Your fridge freezer may stop cooling in extreme ambient temperatures.
- This appliance is intended to be used in household and similar such applications such as:
    - Staff Kitchen areas in shops, offices and other working environments.
    - Farm houses and by clients in hotels, motels and other residential type environments.
    - Bed and breakfast type environments.
    - Catering and similar non-retail applications.
- The appliance is suitable for camping use.
- The appliance must be earthed and connected to a suitable 100-240 volt or 12/24 volt socket. The manufacturer and the seller do not accept responsibility for any damage due to incorrect electrical installation.
- When positioning the appliance, ensure the supply cord is not trapped or damaged.
- Do not locate multiple portable socket outlets or portable power supplies at the rear of the appliance.

4. PRODUCT OVERVIEW

The ARB ZERO fridge freezer is complete with various features. Figures 1 & 2 below highlight the key features included with the fridge freezer.



FIGURE 1



FIGURE 2

ITEM	DESCRIPTION
1	Powered by 12/24 Volt DC compressor
2	Two way removable lid (not 36L or 44L)
3	Stainless steel bracket incl tie down points
4	Robust recessed carry handles
5	Digital control touchpad with display
6	240VAC and 12/24VDC input power
7	USB port with charger to 3000mA
8	Styled impact resistant corners
9	Bottle and wine glass holder
10	LED interior light
11	Basket compartment divider
12	Space for upright standing bottles
13	Drain plug (not shown)

5. INSTALLATION

5.1 General installation

The following points should be considered when choosing a location to install your ARB Fridge Freezer.

- A minimum clearance of 50mm must be maintained on all sides of the fridge freezer.
- Whether the installation is permanent or temporary, the fridge freezer must be attached to secure anchorage points.
- The ideal mounting position for the fridge freezer is on a flat, horizontal surface. If the fridge freezer is subject to sideways angles (e.g. heal on a boat), it can withstand a sideways angle of 30°.
- Avoid placing the fridge freezer near sharp or hot objects.
- Avoid placing the fridge freezer near loose objects that could fall on the cabinet and obstruct its operation.
- Never operate the fridge freezer near flammable liquids or vapours.
- Avoid turning or storing your fridge freezer on its side.

5.2 Permanent and temporary mounting.

The recessed stainless steel bracket at each end of your ARB Fridge Freezer has been engineered as a Tie-down point. ARB recommends that the ARB Tie-down system be used to securely mount the fridge freezer to solid anchorage points. Figure 3 shows the ARB Tie-down system installed with the ARB Fridge Slide.

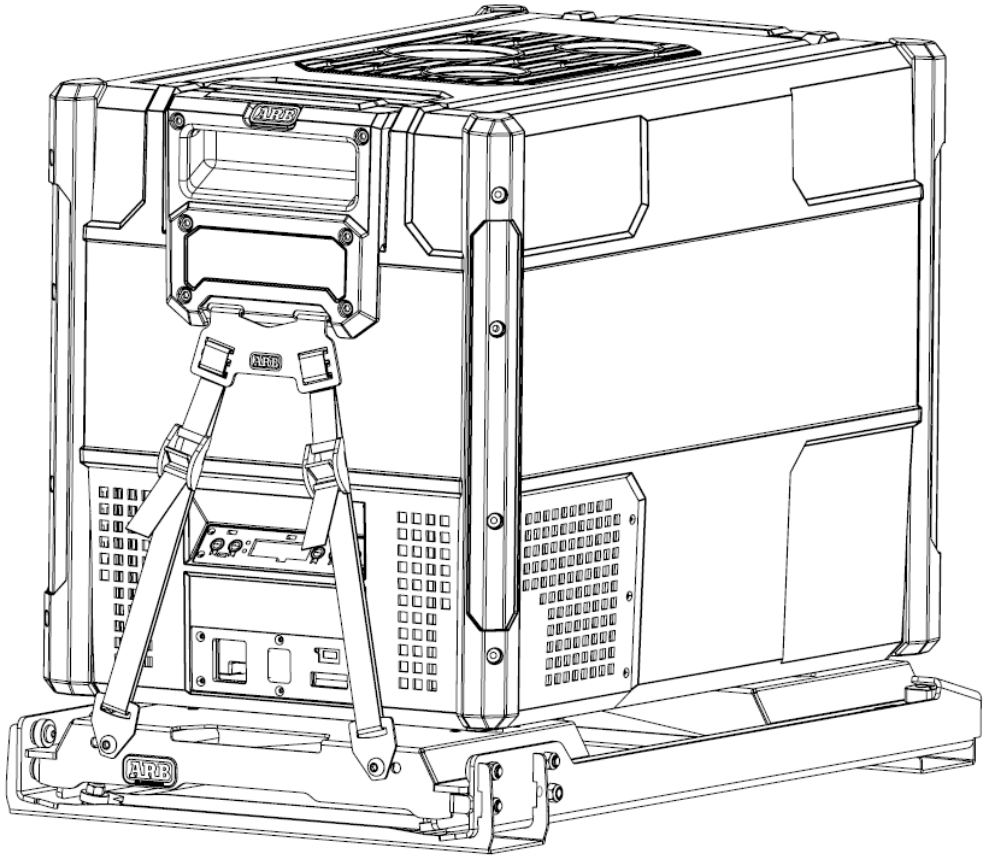


FIGURE 3.

6. OPERATION

6.1 Before use

Before starting your fridge freezer for the first time, it should be cleaned inside and out with a damp cloth. Please refer to the chapter "Cleaning and maintenance" for further details on maintaining your fridge freezer.

6.2 Carrying your fridge freezer

Your ARB Fridge Freezer is supplied with handles at each end of the cabinet. These handles should be used to lift and move the fridge freezer.

WARNING - The lid or latch MUST NEVER be used to lift or move the fridge freezer.
CAUTION - The fridge freezer should always be lifted by at least two people.

6.3 Opening your fridge freezer

To open the fridge freezer lid:

- Place your hand under the latch.
- Push down on lid surface slightly to release pressure on lid latch.
- Use fingers to lift and release latch.
- While holding latch open, pull lid open and rest lid in vertical position.

To close the fridge freezer lid:

- Close lid and apply pressure on lid surface until the latch engages. You will hear a click as the latch engages.
- The lid is now closed with the latch engaged.

6.4 Connecting your fridge freezer

6.4.1Connecting to 12/24V DC

Your ARB Fridge Freezer can be operated on either 12V or 24V DC. Your fridge freezer is fitted with a control circuit to prevent polarity reversal and possible short-circuiting when the unit is connected to a battery.

To connect your fridge freezer to a 12 V or 24 V DC supply, plug the 12/24V power lead into the DC power socket on the back panel of the fridge freezer as shown in Figure 4. Connect the free end of the power lead to a 12 V or 24 V DC supply.

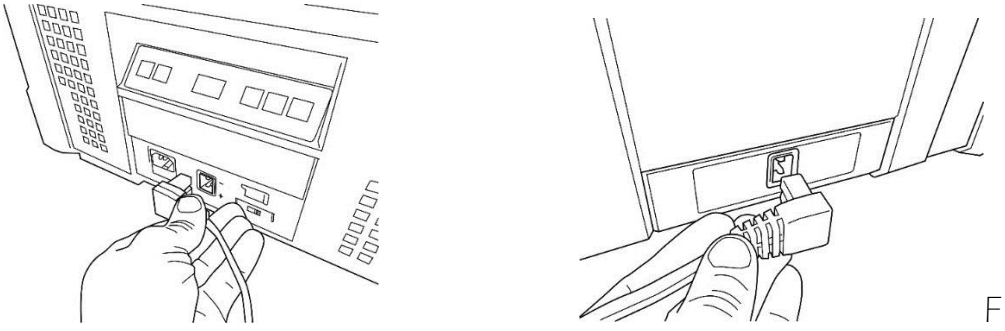


FIGURE 4.

6.4.212/24 V DC wiring requirements

To ensure optimum performance of your ARB Fridge Freezer, it is important that your wiring system is capable of carrying the required load. The accessories wiring system in many vehicles is not adequate for such a task.

ARB recommends that a dedicated wiring circuit be installed to power the fridge freezer. This circuit should be as short as possible and be connected directly to the power supply via a 10 Amp fuse.

For an automotive or marine installation, ARB recommends that the wiring circuit be connected to an isolated power supply like an auxiliary battery system. This will prevent discharge of the main starting battery.

For cable lengths up to 6m, ARB recommends a minimum cable diameter of 6 mm automotive cable (4.6mm^2).

For cable lengths greater than 6m, ARB recommends that you consult a qualified technician for advice on the correct cable diameter.

6.4.3Connecting to an engine driven generator

Please take note of the following points before connecting your ARB Fridge Freezer to an engine driven generator.

- The generator must be fitted with an automatic voltage regulator. It must supply a standard, pure sine wave AC voltage, without fluctuation in voltage or frequency (eg 120 VAC~60Hz or 240 VAC~50Hz).
- When using the DC output from your generator, a battery of correct voltage (12 or 24V) must be connected between the generator and the fridge freezer.
- The fridge freezer should be turned off when starting and stopping your generator.

CAUTION – Some engine driven generators are not suitable for powering your fridge freezer.

6.4.412/24V DC power socket

The plug on your 12/24V DC power lead has a removable adaptor collar. With the collar in place as shown in Figure 5, this plug will fit into a conventional vehicle accessories power socket (cigarette lighter). With the adaptor collar removed as shown in Figure 6, this plug will fit into an ARB 2 pole auxiliary power socket.

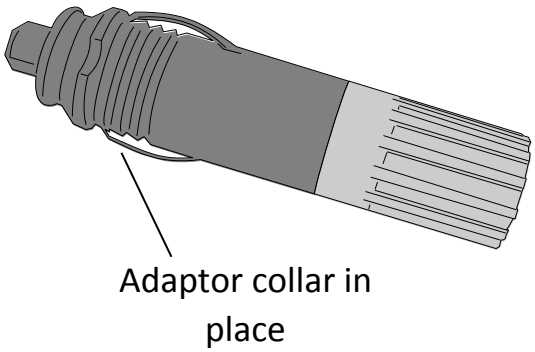


FIGURE 5.

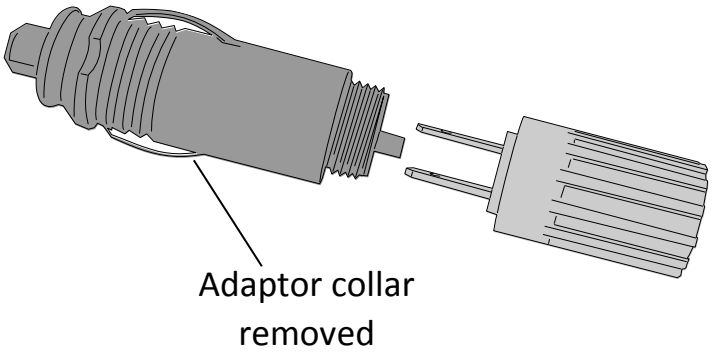


FIGURE 6.

ARB highly recommends that this 2 pole connection be used for all 12V DC and 24V DC connections of a fridge freezer. This will provide a positive and secure connection between your power source and your fridge freezer.

The following points should be considered when choosing a location for your fridge freezer auxiliary power socket.

- Position the power socket as close to the fridge freezer as is practical.
- Position the power socket in a convenient location that will allow the user to easily connect and disconnect the plug from the socket.
- Position the power socket in a protected location away from dust and moisture.
- Position the socket high in the vehicle to prevent it from becoming wet should the vehicle ingest water.

NOTE – If the plug or adaptor collar is removed and the fridge freezer is hard wired into a 12V or 24V DC circuit, a 10 Amp inline fuse must be included in the circuit.

6.4.5Connecting to 100-240V AC

Your ARB Fridge Freezer can be operated on an AC voltage of 100 – 240V. The fridge freezer has a priority circuit which gives priority to mains AC power over DC power. If the fridge freezer is connected to both AC and DC power, the unit will run on the AC supply.

To connect your fridge freezer to 100 – 240 V AC supply:

- Plug the 100-240 V power lead into the AC power socket on the back panel of the fridge freezer as shown in Figure 7.
- Connect the free end of the power lead to a 100 – 240 V AC supply.

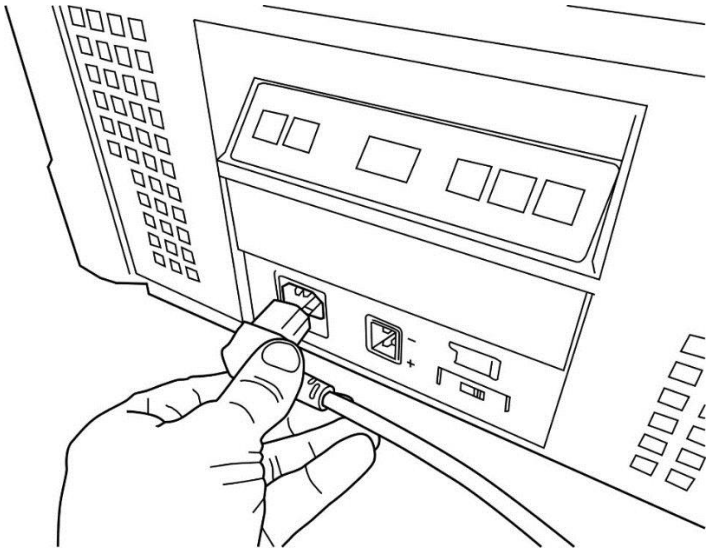


FIGURE 7.

CAUTION - Never handle the plugs, leads or switches with wet hands or while standing on a wet surface.

CAUTION - If you are operating your fridge freezer from a 100-240 V AC supply, a residual current circuit breaker must be installed in the circuit. ARB advises seeking advice from a trained technician.

6.5 Two way reversible and removable lid

The ARB ZERO fridge freezer range comes with a removable lid. The 60L, 69L, 73L, 96L and 105L come with a removable and reversible lid.

To remove the lid, open the lid fully, then over extend, pushing the lid past it vertical position to remove. Please see below Figure 8 for the end opening lids, and Figure 9 for side opening lids.

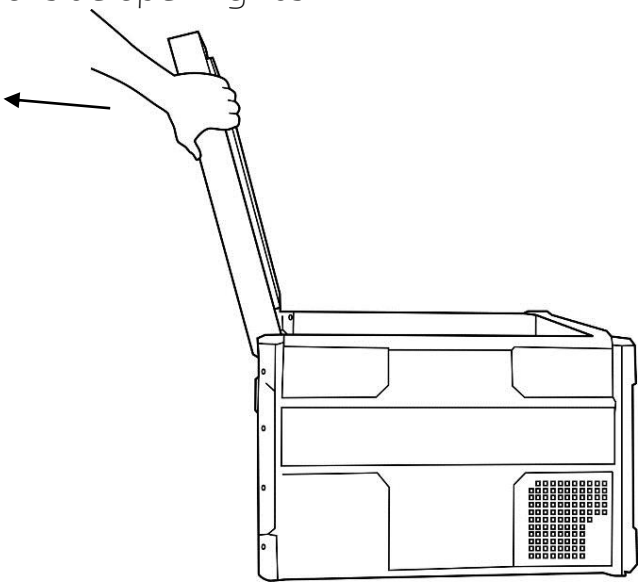


FIGURE 8.

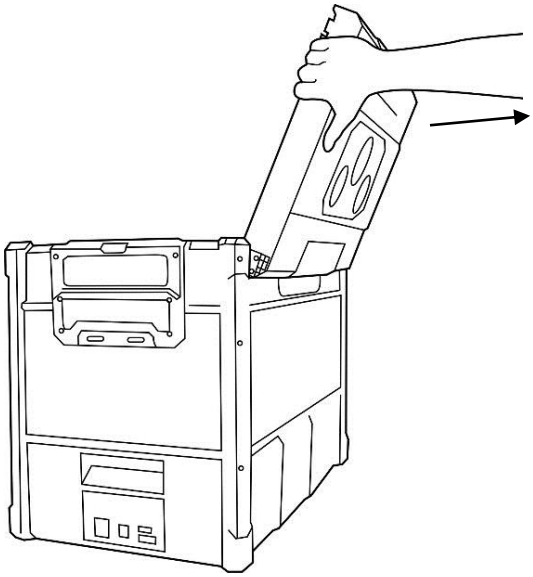


FIGURE 9.

To insert the lid, align the lid end sockets with the fridge hinge pins. Push the lid sockets into the fridge pins and press down firmly. The lid will snap into place. Please see below Figure 10 for the end opening lids, and Figure 11 for side opening lids.

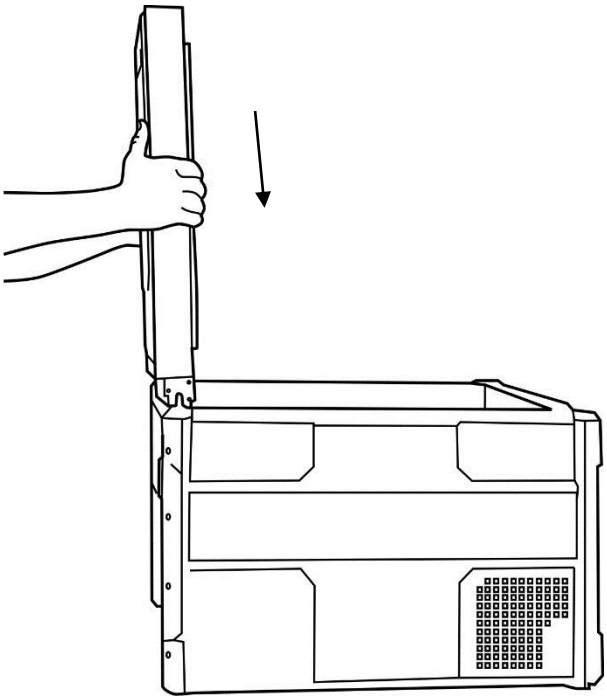


FIGURE 10.

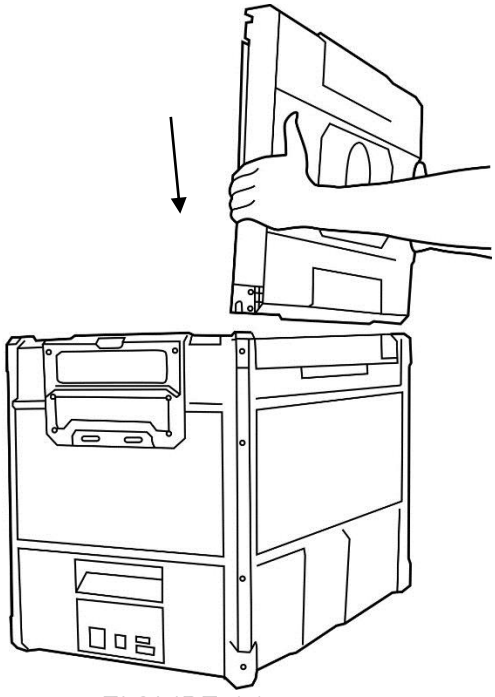


FIGURE 11.

The side opening lids are reversible. To reverse the lid, firstly remove the lid. Turn the lid and locate the lid sockets with the opposing fridge hinge pins. Position the lid vertically and press down firmly.

See below Figure 12 for the two lid orientations.

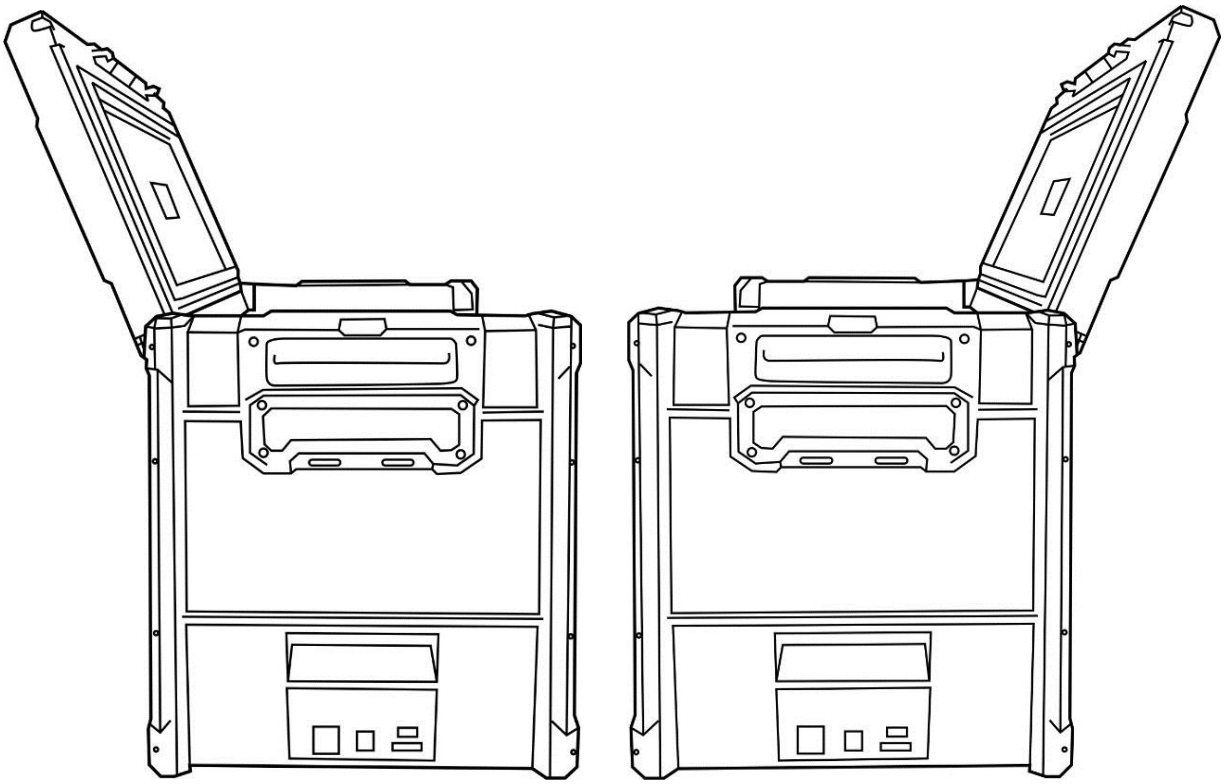


FIGURE 12.

6.6 Energy saving advice

To help you achieve the optimum performance from your fridge freezer, ARB makes the following recommendations.

- Place the fridge freezer in a well ventilated area which is protected from direct sunlight.
- Try to minimise the frequency with which the fridge freezer is opened.
- Do not leave the lid open for longer than necessary.
- Avoid setting the target temperature unnecessarily low.
- Defrost the fridge once ice starts to form.

6.7 Touchpad controls

Figure 13 includes all features of the Touchpad for the Single Zone ZERO fridge freezer range.

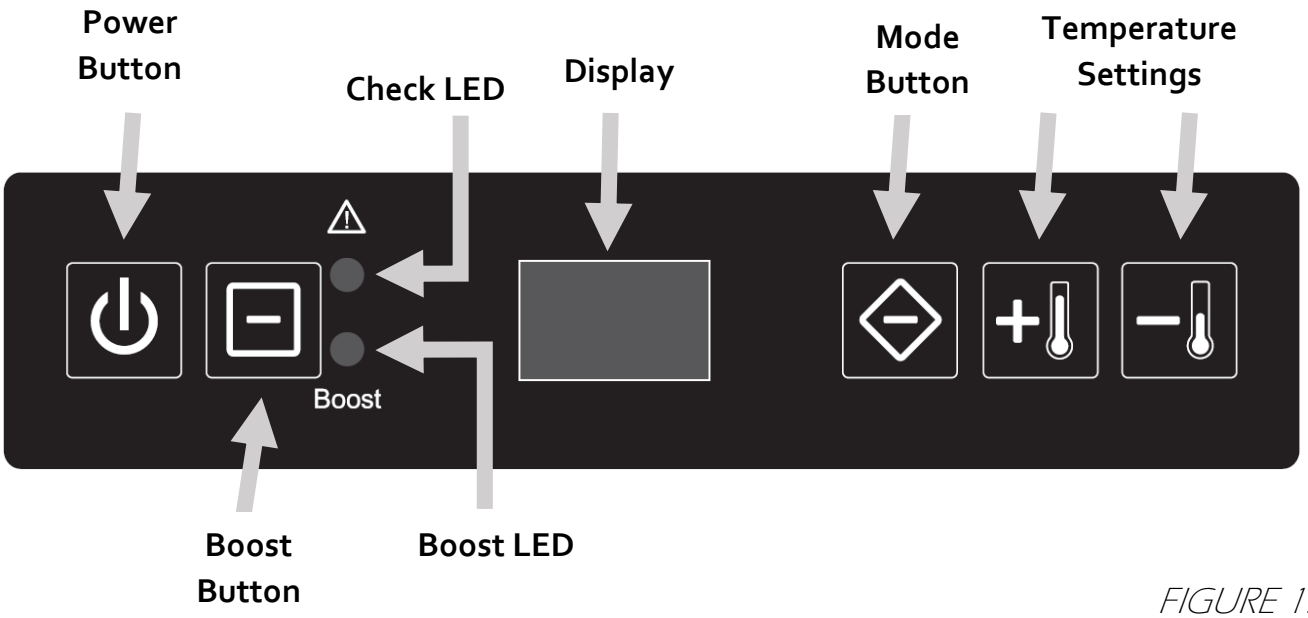


FIGURE 13.

Figure 14 includes all features of the Touchpad for the Dual Zone ZERO fridge freezer range.

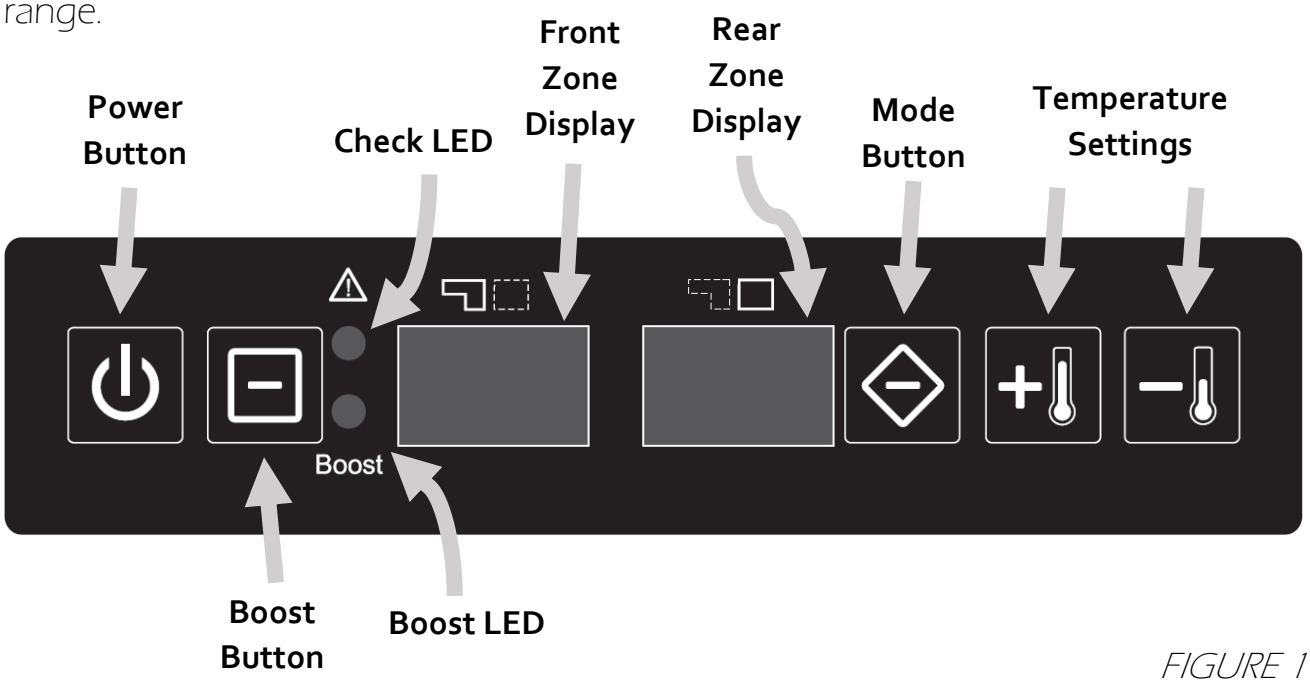


FIGURE 14.

6.8 Switching ON or OFF

Press  button to turn the unit ON. The LED display on the control panel will turn on and the interior temperature will be displayed. Press the  button for 3 seconds to switch the unit OFF. The system has a memory which records your last setting before shut down. If the power supply is cut off or disconnected, the unit will switch off automatically and once the power supply is restored it will automatically switch back on.

6.9 Setting the target fridge temperature

To set the target cabinet temperature of your ARB Fridge Freezer:

- Turn the fridge freezer ON .
- Press  button once to display current cabinet target temperature. For Dual Zone fridges, press  once for the first zone, and press  again for the second zone.
- Press  button to increase the target temperature by one degree.
- Press  button to decrease the target temperature by one degree.
- Continue pressing  or  until the desired target cabinet temperature is reached.
- After 5 to 6 seconds of inactivity, the target temperature will be set and the display will show the current cabinet temperature.

NOTE - When the target temperature is reached, the compressor will stop running.

6.10 Changing between °C and °F

Your ARB Fridge Freezer is capable of displaying temperature in either degrees Celsius (°C) or degrees Fahrenheit (°F.)

To change the display between °C and °F:

- Turn the fridge freezer ON. 
- Press  twice (three times for Dual Zone) to display current temperature unit setting.
- Press  or  to change between °C and °F.
- After 5 to 6 seconds of inactivity, the temperature units will be set and the display will show the current cabinet temperature.

NOTE – Changing between °C and °F will NOT convert the target temperature to the new units °C or °F. Instead, the fridge/freezer will use the previously stored target temperature setting for the temperature units °C and °F.

6.11 Using the battery protection feature

Your ARB Fridge Freezer is fitted with a battery protection system that controls the level of discharge from your battery. The battery monitor has three setting; HIGH, MEDIUM and LOW. When set to HIGH, the battery monitor will provide maximum protection for the battery against excessive discharging. When set to LOW, the battery monitor will allow maximum use of the energy stored in the battery. Table 1 shows the cut in/cut out voltages for the three battery monitor settings.
The battery monitor will cause the unit to switch off once the supply voltage falls below the set level. The unit will automatically restart once the restart voltage is reached.

NOTE - When the battery monitor is active, the cooling unit (including compressor) will not run. The control panel CHECK LED will flash ORANGE and the display will show "ER1". The cooling unit will not restart until the voltage level of the battery reaches the restart voltage listed in Table 1.

	BATTERY MONITOR MODE		
	LOW (Lo)	MEDIUM (nE)	HIGH (HI)
Switch off voltage – 12V DC	10.1 ± 0.3 V	11.4 ± 0.3 V	11.8 ± 0.3 V
Restart voltage – 12V DC	11.1 ± 0.3 V	12.2 ± 0.3 V	12.6 ± 0.3 V
Switch off voltage – 24V DC	21.5 ± 0.3 V	22.5 ± 0.3 V	23.0 ± 0.3 V
Restart voltage – 24V DC	23.0 ± 0.3 V	24.0 ± 0.3 V	24.5 ± 0.3 V

TABLE 1.

If your fridge freezer is connected to the starting battery on a 12/24V DC system, ARB recommends that the battery monitor level be set to HIGH or MEDIUM.
If your fridge freezer is connected to an auxiliary battery on a 12/24V DC system, ARB recommends that the battery monitor level be set to LOW.

NOTE - ARB recommends that the battery be charged once the battery monitor has been triggered. ARB also recommends that all non-essential electrical equipment that draws power from the same source as the fridge freezer be turned off until the battery is fully charged.

To change the battery protection level:

- Turn the fridge freezer ON. 
- Press  three times (four times for Dual Zone) to display current battery protection setting.
- Press  or  to change the battery protection voltage between High (HI), Medium (nE) and Low (Lo).
- After 5 to 6 seconds of inactivity, the battery protection voltage will be set and the display will show the current cabinet temperature.

6.12 Switching off cooling compartments (Dual Zone only)

For Dual Zone models, your ARB Fridge Freezer is capable of switching the fridge compartments ON and OFF. When switched OFF, the compressor will not cool the fridge compartment.

To switch OFF the front compartment (displayed on the left): 

- Press and hold the  button for three seconds.
- To switch ON, press and hold the  for three seconds.

To switch OFF the rear compartment (displayed on the right): 

- Press and hold the  button for three seconds.
- To switch ON, press and hold the  for three seconds.

When switched OFF, the displayed temperature for the OFF compartment will go blank.

6.13 Using the Boost mode

Your ARB Fridge Freezer has a Boost mode. When activated, the Boost feature will increase the speed of the compressor and will cool the fridge compartment faster.

To activate the Boost feature:

- Turn the fridge freezer ON. 
- Press the  button to activate the Boost mode.
- The Boost LED 

will illuminate Blue to indicate the Boost mode is active.

To deactivate the Boost and return to normal mode, press the  *button again.*

NOTE - Boost mode is less efficient and uses more energy to cool the fridge compartment than normal operating mode.

6.14 Bluetooth communication setting

The Bluetooth communication of your ARB fridge freezer can be switched ON or OFF. When switched OFF, the fridge will not communicate with the smart phone APP.

To change the Bluetooth communication setting:

- Turn the fridge freezer ON. 
- Press  four times (five times for Dual Zone) to display current Bluetooth setting.
- Press  or  to change the Bluetooth communication setting between ON and OFF.
- After 5 to 6 seconds of inactivity, the Bluetooth communication setting will be set and the display will show the current cabinet temperature.

6.15 Bluetooth connection setting

The Bluetooth connection setting can be changed to Open or Closed.
When set to Open (OPE), the phone APP will connect by scanning the QR barcode or connect directly using the phone APP. In the latter case, the ARB Fridge Freezer will be listed as an available device in the phone APP. The name of the device will be "ARB ZERO XXXX" where XXXX is the last 4 digits of the QR barcode.
When set to Closed (CLO), the phone APP will only connect to the ARB Fridge Freezer by scanning the QR barcode. The QR barcode is located on the rear of the fridge. In this case, the ARB Fridge Freezer will not be listed as an available device in the phone APP.

To change the Bluetooth connection setting:

- Turn the fridge freezer ON. 
- Press , then  and hold both buttons at the same time for 3 seconds to enter the Bluetooth connection setting.
- Press  or  to change the Bluetooth connection setting between Open (OPE) and Closed (CLO).
- After 5 to 6 seconds of inactivity, the Bluetooth connection setting will be set and the display will show the current cabinet temperature.

6.16 Emergency Override Switch

Your ARB Fridge Freeze is equipped with an Emergency Override switch. If the electronic circuit boards fail, this switch will override the electronic controls and operates the compressor independently of these controls.

The Emergency Override Switch will run the compressor at full capacity and continue to cool the fridge compartment causing the fridge contents to freeze.

The electronic controls, including the battery protection feature, will not operate. For this reason, the Emergency Override should only be used when an electronic failure has occurred.

To activate the Emergency Override feature:

- Slide the Emergency Override switch from NORMAL USE to EMERGENCY OVERRIDE (see Figure 15).

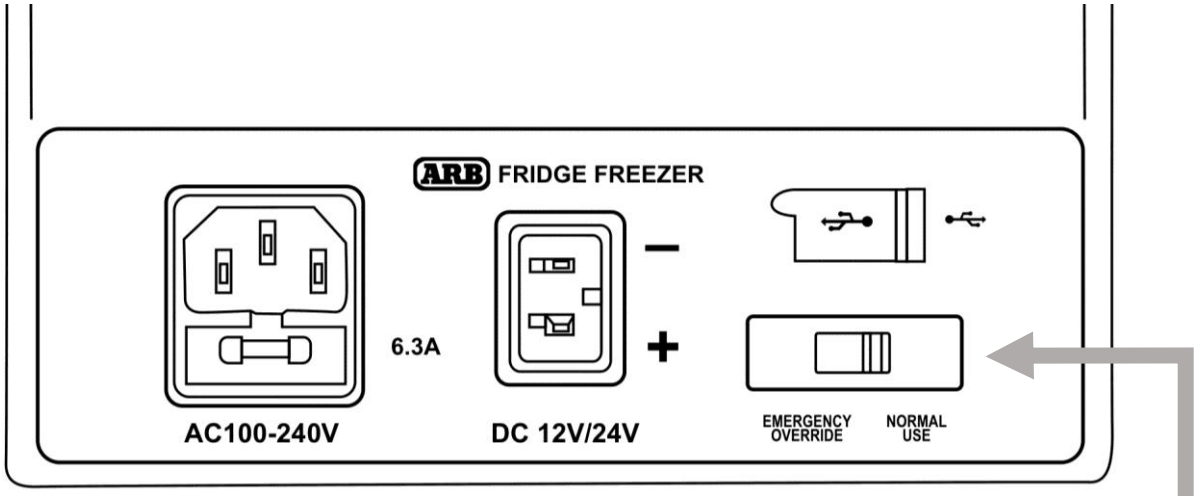


FIGURE 15.

7. SMART PHONE APP

Activate the Bluetooth function on your smart phone. Search for the ARB ZERO Fridge Freezer APP in the Google Play or Apple APP Store. Download and install the APP.

When you open the APP you will see Figure 16. Click the "+" to search for your ARB ZERO Fridge Freezer and you will see the available ARB ZERO Fridge Freezers as shown in Figure 17.

To connect with your ARB ZERO Fridge Freezer, click your fridge named "ARB ZERO XXXX" where XXXX is the last 4 digits of the QR barcode. You will see Figure 18 which shows successful connection.

Alternatively, scan the individual QR barcode affixed to the rear of your fridge for connecting to the ARB ZERO Fridge Freezer. Press the QR Scan button on the APP, Figure 17, and scan the QR barcode on the rear of the fridge. The APP will directly connect to the fridge.

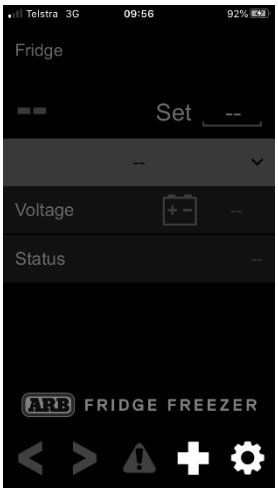


FIGURE 16



FIGURE 17

Click to scan QR barcode for connection

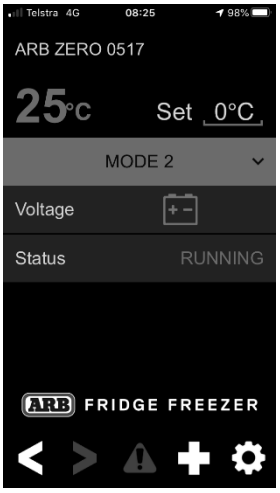


FIGURE 18

Once connected to your ARB ZERO Fridge Freezer, the following features are accessible via the phone APP:

- Turning the fridge freezer ON or OFF.
- Changing between °C and °F.
- Changing the battery protection setting.
- Turning the Boost mode ON or OFF.
- Monitoring the current fridge temperature.
- Recognise any fault immediately.
- Personalise your fridge name.
- Setting the target fridge temperature between +10 °C and –22 °C.
- Monitor the current battery voltage (12VDC systems only).
- Create various temperature preset modes.
- Monitor the compressor status.

8. CLEANING AND MAINTENANCE

To clean the inside or outside of the fridge freezer, use a damp cloth and warm water containing a mild non-abrasive household detergent.

If your fridge freezer is operated in dusty conditions, ARB recommends that you clean the outside surfaces on a regular basis to prevent the build-up of dirt and grit. In particular, ARB recommends that you routinely clean the compressor vents. To clean around the compressor vents, ARB recommends placing the fridge freezer in a well ventilated area and using a vacuum cleaner or a gentle stream of compressed air.

WARNING – Under no circumstances is the compressor motor surround to be removed.

Please take note of the following points before cleaning your fridge freezer.

- Always turn off power and remove the plugs from the fridge freezer before cleaning or servicing the unit.
- Never use hard objects or abrasive cleaning agents to clean the fridge freezer.
- Do not use brushes, scouring pads or hard or pointed tools to defrost the fridge freezer.
- Do not clean the fridge freezer under running water or with a high pressure washer.

9. DISPOSAL



This symbol on the product, or in its packaging, indicates that this product may not be treated as household waste. Instead, it should be taken to the appropriate waste collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by the inappropriate waste handling of this product. For more detailed information about the recycling of this product, please contact your local council, your household waste disposal service, or the shop where you purchased the product.

10. TROUBLESHOOTING

The fridge freezer will not turn ON

- Check the power supply, try a different power source/vehicle.
- Check whether the plug and the socket are in good condition and there is sound electrical connection.
- Check whether the fuse has failed.

Low refrigeration performance

- Too much warm product has been placed inside the unit.
- There is too much warm product inside the unit.
- The lid is unlatched or open.
- The lid seal is broken.
- Poor ventilation, allow 50mm of space around all vents.
- The ambient temperature is too high.
- The fridge may be exposed to direct sunlight.

Can hear the sound of liquid flowing or gurgling from inside the unit

- This is normal, due to the flow of refrigerant in the unit.

Unusual noise when refrigerator is working

- The refrigerator is not placed on a level surface.

Interior light remains operational when fridge turned off at controls

- This is normal operation.

Orange Check light flashing.

The Orange Check light will flash for various issues with the fridge freezer. Some of these issues are normal operation and are not concerning. Please see below possible rectification of these issues.

Display "E0" and Check light is solid ON – Temperature sensor issue:

- For temporary use, engage the Emergency Override to operate the fridge freezer, please see Section 6.14.
- Please contact ARB for assistance at your earliest convenience.

Display "E1" and Check light flashes once every 4 seconds – Low supply voltage:

- Try a different power source, for example a different vehicle or 240V AC power. If changing the power source fixes the issue, the possible cause could be the original power source.
- Ensure cabling between power outlet and battery is a minimum diameter of 6mm automotive cable (4.6mm^2).

Display "E2" and Check light flashes 2 times every 4 seconds – Fan issue:

- Fan is drawing too much current (over 0.6 amps), replace fan.

Display "E3" and Check light flashes 3 times every 4 seconds – Compressor start issue:

- Unplug cable and allow unit to rest for 10 minutes.
- Try a different power source, for example a different vehicle or 240V AC power.
- Electronic box fault.
- Compressor fault.

Display "E4" and Check light flashes 4 times every 4 seconds – Low motor speed:

- Move the unit to a lower ambient temperature.
- Clean vents and ensure clean air flows over the compressor.
- Fan fault.

Display "E5" and Check light flashes 5 times every 4 seconds – Over temperature:

- Ambient temperature too high.
- Clean vents and ensure clear air flow over the condenser / compressor.
- Fan fault.

Please note, the Check indicator will normally display as Green. When flashing, it will change to Orange to indicate the fridge freezer is not functioning correctly.

If none of the above solves your issue please contact ARB for assistance.

11. TECHNICAL DATA

Model	ZERO 36L	ZERO 44L	ZERO 60L	ZERO 69L DZ	ZERO 73L	ZERO 96L DZ	ZERO 105L
Volume Litre (quarts)	36 (38)	44 (47)	60 (63)	69: 24/45 (73: 25/48)	73 (77)	96: 41/55 (101: 43/58)	105 (111)
Dimensions mm (in)							
Length	675 (26.6)	675 (26.6)	755 (29.7)	755 (29.7)	755 (29.7)	935 (36.8)	935 (36.8)
Width	423 (16.7)	423 (16.7)	469 (18.5)	469 (18.5)	469 (18.5)	548 (21.6)	548 (21.6)
Height	436 (17.2)	496 (19.5)	496 (19.5)	564 (22.2)	564 (22.2)	509 (20.0)	509 (20.0)
Weight kg (lb)	22.2 (48.9)	23.9 (52.7)	28.0 (61.7)	31.0 (68.3)	30.0 (66.1)	36.6 (80.6)	35.1 (77.4)
Power supply Except North America	12/24V DC and 100–240V AC 50– 60Hz						
Power supply North America	12/24V DC and 120V AC 60Hz						
USB	5V / 3000 mA						
Climate class	N, T						
Energy Efficiency Index (EEI)	A++	A++	A++	A+	A++	A+	A+
Refrigerant type Quantity	R134a 43g	R134a 45g	R134a 65g	R134a 75g	R134a 70g	R134a 96g	R134a 100g
Set temp range	– 22°C to +10°C (–8°F to +50°F)						
Rated current (Amps) Except North America	12VDC~3.73 24VDC~2.00 240VAC~0.40 100VAC~0.85	12VDC~4.65 24VDC~2.80 240VAC~0.48 100VAC~0.90	12VDC~5.60 24VDC~2.90 240V~0.30 100VAC~0.57	12VDC~5.30 24VDC~2.80 240V~0.31 100VAC~0.62	12VDC~5.90 24VDC~3.00 240V~0.30 100VAC~0.62	12VDC~5.80 24VDC~2.90 240V~0.34 100VAC~0.80	12VDC~5.50 24VDC~2.80 240V~0.32 100VAC~0.77
Rated current (Amps) North America	12VDC~5.53 24VDC~2.54 240VAC~0.32 120VAC~0.583	12VDC~5.49 24VDC~2.81 240VAC~0.33 120VAC~0.63	12VDC~6.35 24VDC~2.92 240VAC~0.34 120VAC~0.62	12VDC~6.30 24VDC~3.10 240VAC~0.35 120VAC~0.63	12VDC~6.10 24VDC~3.00 240VAC~0.36 120VAC~0.66	12VDC~6.30 24VDC~2.95 240VAC~0.40 120VAC~0.74	12VDC~6.40 24VDC~3.20 240VAC~0.39 120VAC~0.73

TABLE 2

NOTE: The maximum cooling capacity is 50°C (122°F) below ambient temperature. If the ambient temperature is above 28° (82°F) the minimum temperature cannot be achieved.

12. WARRANTY

ARB PRODUCTS WARRANTY AGAINST DEFECTS

ARB warrants the ARB Products against defects in workmanship and materials for the Warranty Period. If defective workmanship or materials become apparent in the Warranty Period, ARB will replace or repair the defective Product.
The benefits to the customer given by this warranty are in addition to other rights and remedies of the customer under a law in relation to the goods or services to which the warranty relates.

1. In this warranty:
    a. ARB means ARB Corporation Limited (ABN 31 006 708 756) of 42-44 Garden St, Kilsyth Victoria 3137
    b. ARB Outlet means an outlet which has been authorised by ARB to sell and fit ARB Products
    c. ARB Product means products which ARB manufacturers or for which ARB is the exclusive supplier
    d. Product Information means the information about the relevant ARB Product which may be contained in any of: documentation provided with the ARB Product, owner's manual, operating manual, service manual or the manufacturer's manual or labels attached to the ARB Product
    e. Warranty Period means, in respect of an ARB Product, the period that this warranty against defects applies and which is set out in paragraph 8.
2. To be entitled to claim the warranty, the customer must:
    a. Have the ARB Product fitted in accordance with the Product Information
    b. Carry out normal care and maintenance of the ARB Product, including any required by the Product Information
    c. Provide proof of purchase of the ARB Product
    d. Make the claim in the Warranty Period.
3. The warranty will not apply in circumstances where the defect is caused by:
    a. Unusual, improper or negligent use or misuse of the ARB Product
    b. Incorrect fitting of the ARB Product other than at an ARB Outlet
    c. Use of non-genuine ARB components in or with the ARB Product
    d. Use of the ARB Product outside of the requirements of the Product Information.
4. The procedure for the customer to claim the warranty is:
    a. Return the ARB Product to the nearest ARB Outlet or contact ARB to arrange a time to bring a vehicle fitted with the ARB Product to an ARB Outlet for inspection. Contact details are in paragraph 7 below if further information is required Regarding local outlet details
    b. Bring proof of purchase of the ARB Product to the ARB Outlet
    c. ARB will review the ARB Product and advise whether the conditions of this warranty have been met
5. Where ARB accepts a customer's warranty claim, ARB will rectify any defective workmanship or materials at its own expense.
6. Expenses incurred by the customer in claiming the warranty are to be borne by the customer.
7. This warranty is given by:
    ARB Corporation Limited
    42-44 Garden Street Kilsyth
    VIC 3137, Australia.
    Phone: 03 9761 6622.
    Fax: 03 9721 9090.
    www.arb.com.au
8. The period within which a defect in the ARB Products must appear if the customer is to be entitled to claim the warranty is 3 years starting on the date of purchase unless:
    a. The ARB Product is used in Commercial Use. Commercial Use means use in industry or commerce including (without limitation) use in the mining industry or as a hire vehicle. In this case, the Warranty Period is 1 year
9. The warranty against defects contained in this document replaces any other warranty against defects or voluntary warranty given in relation to the Products.

Our goods come with guarantees that cannot be excluded under the Australian Customer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonable foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

NOTES: