



**COMPRESSOR
REFRIGERATOR**
QL50 BLACK
USER MANUAL

Instrukcja obsługi
dostępna również na:
User manual
also available at:
Bedienungsanleitung
erhältlich auch bei:



1.Explanation of symbols.



Appliance filled with flammable gas R1234yf.



Important operation and maintenance information. Non-compliance may result in a threat to life, health or property damage.



Before using the appliance, read the owner's manual first.



Tips and supplementary information



Please read this manual carefully before starting the device. Keep this manual. The manufacturer is not liable for damages caused by improper use or improper handling. The warnings and important safety information contained in this manual do not cover all possible conditions or situations that may occur. It is the user's responsibility to handle the device with care and consideration during maintenance and operation.

Please register warranty claims at: www.systemrma.pl/aplikacja/obsługa/arkas

When contacting an authorized service center, please have the following information ready: model information, serial number. This information can be found on the nameplate. Accessories, consumables and original spare parts are available at: www.yolco.pl. We recommend using original spare parts.

The content of the user manual is subject to change without notice. The latest version is always available at: www.yolco.pl

2.Safety information



- This equipment can be used by children at least 8 years old and by people with reduced physical and mental capabilities and people with no experience and knowledge of the equipment, if supervision or instruction is provided on how to use the equipment in a safe way, so that related the risks were understandable. Children should not play with the equipment. Cleaning and maintenance of the equipment should not be performed by unsupervised children.
- Children aged from 3 to 8 years are allowed to load and unload cooling device.
- It is forbidden to use the device and/or its power cord if they show signs of damage. If the device or its cable needs repair, contact the manufacturer, an authorized service center or another qualified person.
- Repairs may only be carried out by suitably qualified persons. Self-repairs may result in serious health or life hazards.
- The device should be connected to a power source that complies with the data included in the technical specification, only with the supplied power cords. 100-240V power supply requires cable connection via the AC / DC adapter. Using a power source with an incorrect voltage may damage the device or cause a fire.
- Do not locate multiple portable socket-outlets or portable power supplies at the rear of the appliance.
- When positioning the appliance, ensure the supply cord is not trapped or damaged.
- The device must be disconnected from the mains after each use and before cleaning / maintenance. Do not remove the plug from the socket by pulling on the power cord. It may damage it.

2. Safety information cont.

- The device should be protected against water splashes and adverse weather conditions such as rain. Do not immerse the device in water or any other liquid. The device is not waterproof. In the event of accidental spillage, remove the plug from the power source with dry hands. Do not touch the flooded device until it is completely dry. Do not operate the device with wet hands.
- Do not use or store the device near open flames or other sources of heat. Do not expose the device to direct sunlight.
- Do not use the device in an flammable, corrosive or explosive environment.
- Do not store corrosive, solvent-containing or explosive substances, such as aerosol cans with flammable propellant, in this appliance.
- Do not use electrical appliances inside the storage compartments of the appliance, unless they are of the type recommended by the manufacturer.
- Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- It is forbidden to fill the chamber with water, ice or other liquids. This may damage the device.
- During operation, storage and transport, the device should be placed vertically on a flat and level surface.
- During operation, the device should be in a well-ventilated room. Ensure a sufficient distance between the refrigerator and other devices ($\geq 150\text{mm}$ at the back, $\geq 50\text{mm}$ at the top and sides of the device). Ensure free airflow behind the device.
- The appliance cooling system contains flammable refrigerant R1234yf. The device insulation contains cyclopentane. Repairs and maintenance within the cooling system may only be carried out by persons authorized to work with flammable refrigerants.



Warning:
Risk of fire / Flammable materials

- It is forbidden for the user to interfere with the refrigeration system and its pipes in order to modify or damage it. In the event of accidental damage to the system or a refrigerant leak, remove all sources of ignition from the unit immediately. Ventilate the room immediately. Do not switch off the device by directly pulling out the mains plug.
- When the device is no longer usable, it must be disposed of in accordance with national and local regulations.
- Before disposing of the old appliance, remove the door, but leave the inner baskets and partition wall (selected models) so that children cannot get inside.
- Keep the packaging away from children. There is a risk of suffocation.
- Do not lean on or hang on the open door of the appliance. It may damage the device and / or lead to personal injury.
- Do not move the device over surfaces susceptible to damage and scratches.
- This appliance is intended to be used in household and similar 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.
- This refrigeration appliance is not intended to be used as a built-in appliance.

2. Safety information cont.

- This refrigeration appliance is not suitable for the freezing of foodstuffs.
- The refrigeration appliance is intended for use in an ambient temperature ranging from 10°C to 32°C.
- The manufacturer's warranty period - 24 months from the date of purchase.
- The minimum period for which spare parts necessary to repair are available is 7 or 10 years, depending on the type and purpose of the spare part, and is in line with Commission Regulation (EU) 2019/2019. The list of spare parts and the ordering procedure are available on the websites of the manufacturer, importer or authorized representative. More information about the product can be found in the EU Product Database EPREL at <https://eprel.ec.europa.eu>. Information can be obtained by scanning the QR code on the energy label or by entering the product model from the energy label in the EPREL search engine <https://eprel.ec.europa.eu>.

3. Description of operation and basic function



- The refrigerator is designed to keep food cool.
- Thanks to high-class insulation and an efficient compressor, the cooling process is extremely fast.
- The device has a separate space with a reduced temperature.
- The refrigerator can be powered by DC (12/24V) or AC (100-240V).
- The device has a vehicle battery protection against discharging and surge protection against sudden voltage surges in the electrical network.
- The control panel with an easy-to-read LCD screen enables intuitive control of the device.
- Additional shelves make it easier to manage the contents of the device.

4. Contents of the package



- Compressor refrigerator
- 12/24V power cord (length – 2m)
- AC/DC adapter with 100-240V power cord
- User manual

5. Directions for use



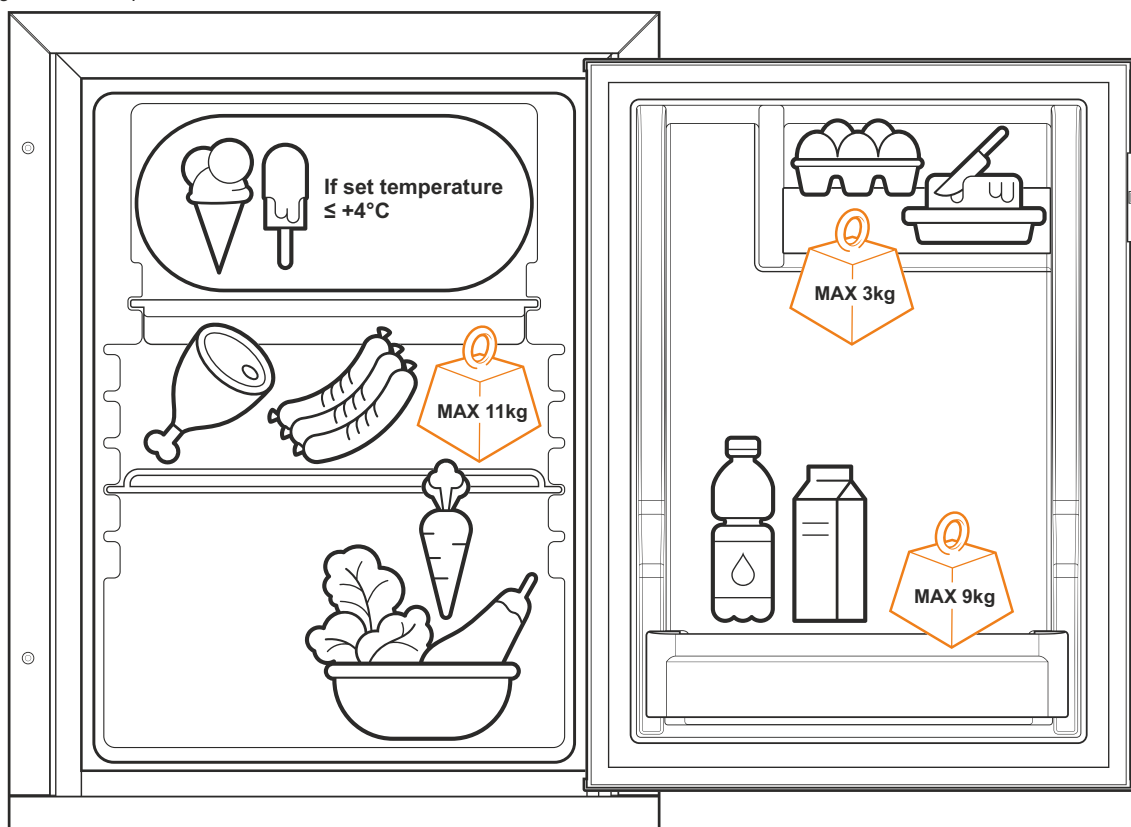
- Before first use, remove the device from the packaging, clean the inside of the device with a damp cloth and wait 6 hours.
- The device should be in a standing position during operation. The maximum angle of inclination of the device relative to the ground should not be more than 5°.
- If the device is used while the ignition of a motor vehicle is off (using a 12 / 24V power source), it switches itself off when the voltage drops below the set battery protection value. The device will turn on again when the required voltage is supplied to the battery. The device must be turned off or disconnected from the power source when charging the battery of the vehicle.

Switch-off voltage with 12V supply	9.6V
Restart voltage with 12V power supply	10.9V
Switch-off voltage with 24V supply	21.3V
Restart voltage with 24V supply	22.7V

To avoid contamination of food, please respect the following instructions:

- Do not open the appliance door more often than necessary. This may significantly increase the temperature inside the device.
- Foodstuffs should be stored in their original packaging or appropriate containers. Store raw meat and fish in suitable containers in the refrigerator, so that it is not in contact with or drip onto other food.
- Clean regularly surfaces that can come in contact with food and accessible drainage systems (selected models).
- Too low or too high temperature may adversely affect the stored food. The temperature inside the refrigerator should be adjusted to the temperature recommended by the food manufacturer.
- If the device is left empty for long periods:
 - Switch off the device.
 - Defrost the device.
 - Clean and dry the device.
 - Leave the door open to prevent mould developing within the appliance.

- Sample arrangement of food products:



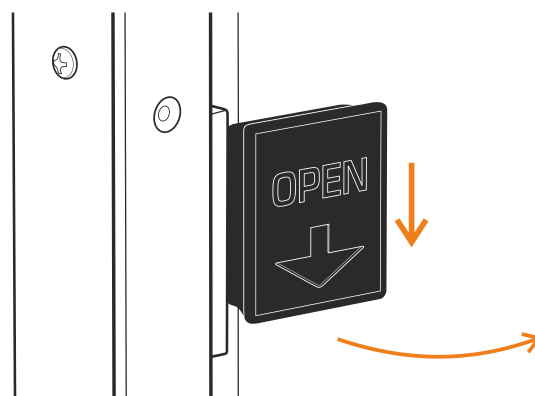
- Once defrosted, the products should not be re-frozen.
- Do not store glass containers, bottles, cans and carbonated beverages below 0°C.
- Do not exceed the maximum load of the shelves:
 - small door shelf – 3kg
 - large door shelf – 9kg
 - wire shelf – 11kg

6. Support



Opening/closing the device

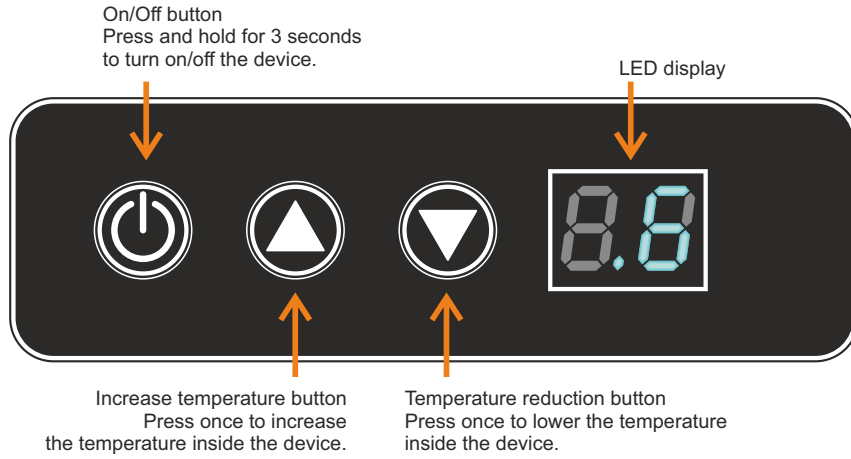
- To open the device, move the door handle downwards until the latch is released.
- To close the door, press it against the body of the device until the latch is activated.



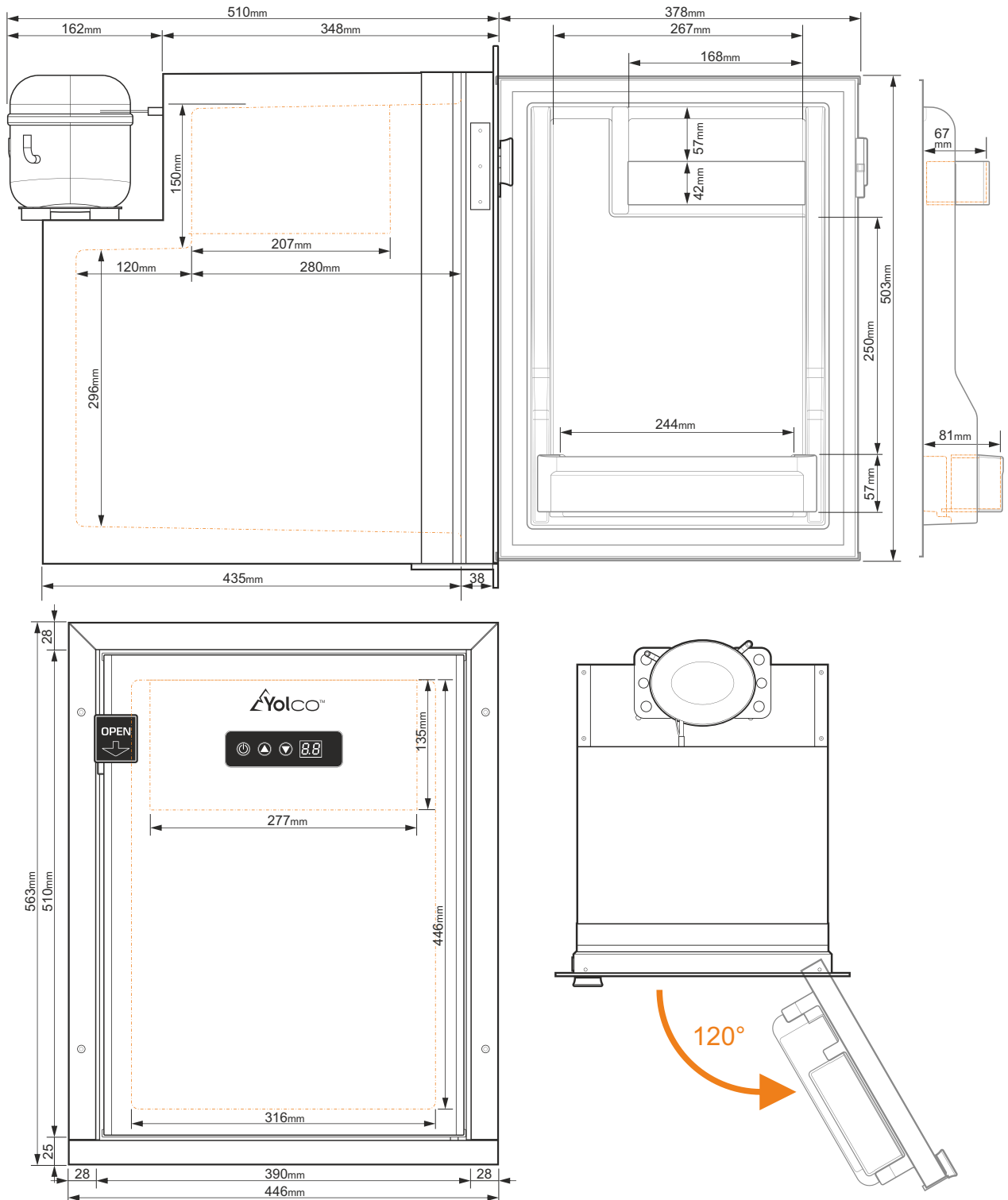
6. Support cont.



Operating the device from the control panel



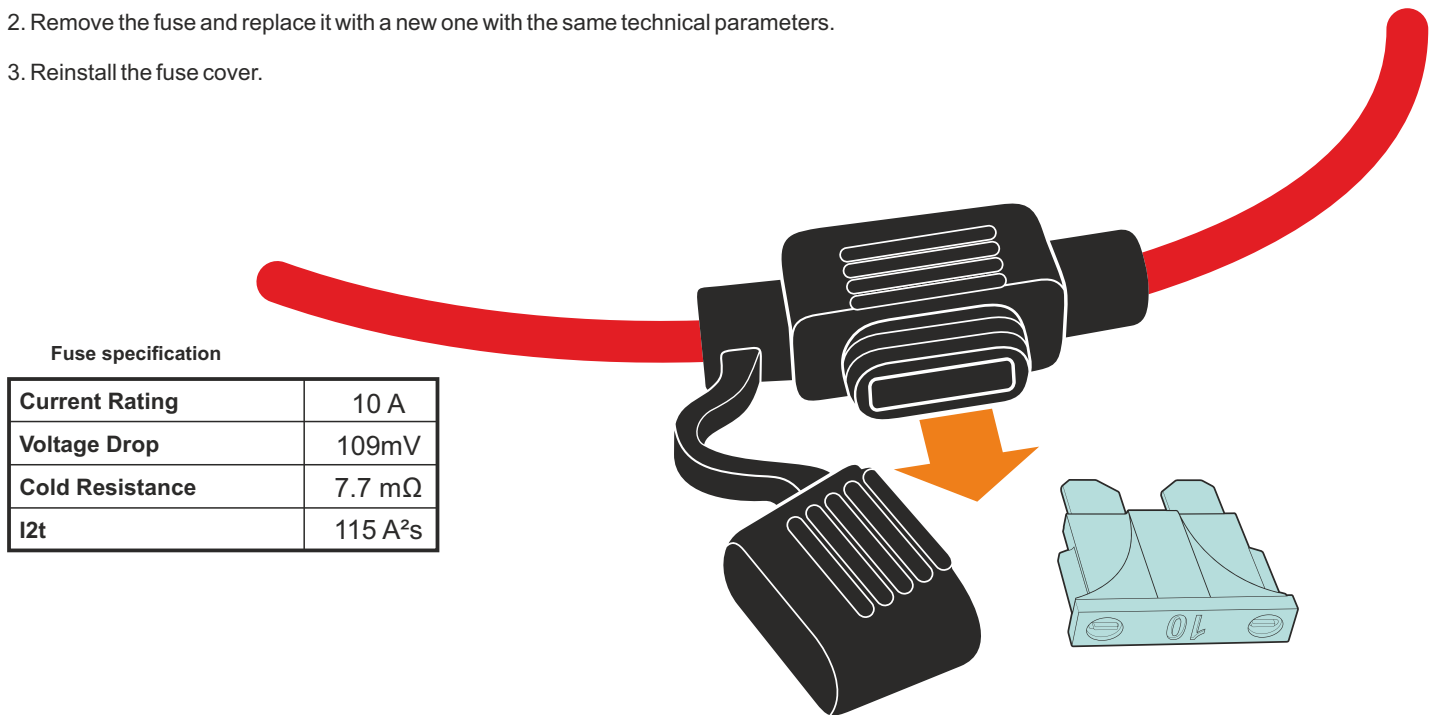
Device dimensions



7. Cleaning and maintenance




- Turn off the device and disconnect it from the external power supply before each cleaning.
- The device must not be cleaned under running water.
- Do not use aggressive cleaning agents.
- Clean the outside and inside of the device with a damp cloth, excluding the control panel and power section.
- Manual defrosting
During long-term operation of the device, a layer of frost may appear inside it. This can reduce its performance. To defrost the device, disconnect it from the power supply, empty the cooling compartment and leave the door open. After frost has condensed, wipe off the remaining water with a soft cloth.
- Replacing the fuse
CAUTION! Before replacing the fuse, turn the device off and disconnect it from the power supply.
 1. Remove the fuse cover
 2. Remove the fuse and replace it with a new one with the same technical parameters.
 3. Reinstall the fuse cover.



8. 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:
This 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.
- Display error codes:
 - Error E1 - Supply voltage too low - Check the car battery charge level and the correct connection of the device to the power supply in accordance with the technical data of the device.
 - Error E2 - Fan overload - Disconnect the device from the power supply and wait at least 30 minutes before restarting it.
 - Error E3 - Compressor start error - Disconnect the unit from the power supply and wait at least 30 minutes before restarting it.
 - Error E4 - Compressor overload - Disconnect the device from the power supply and wait at least 30 minutes before restarting it. Make sure that the device is not located in a sunny place and the ambient temperature does not exceed +32°C.
 - Error E5 - Compressor controller overheating - Disconnect the device from the power supply and wait at least 30 minutes before restarting it. Make sure that the device is not located in a sunny place and the ambient temperature does not exceed +32°C.
 - Error E6 - Damage to the temperature sensor - Report the fault to the manufacturer's service.

9. Technical data



Product model	QL50 BLACK
Total capacity	47L (10.3 gal)
Power specification	DC 12V/3.8A, 24V/1.9A AC 100-240V, 50-60Hz, max 2.5A
Number of cooling compartments	1
Fresh food compartment temperature range	from 0°C to +10°C (from +32°F to +50°F)
Power consumption	45W
Climate class	SN
Ambient temperature	from +10°C to +32°C (from +50°F to +89.6°F)
Sound power level	55dB
Refrigerant	R1234yf (42g)
GWP	4
Dimensions without mounting frame (W x H x D)	390 x 510 x 510 mm (15.3 x 20.1 x 20.1 in)
Dimensions with mounting frame (W x H x D)	446 x 563 x 510 mm (17.6 x 22.2 x 20.1 in)
Net weight	16 kg (35.3 lb)
Gross weight	19 kg (41.9 lb)



90/RRT/23

Manufacturer:
ARKAS Sp. z o.o.
ul. Kuziennicza 4,
59-400 Jawor, Poland
www.arkas.pl
www.yolco.pl

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The crossed out wheeled bin symbol means that this product should not be disposed of with other household waste. Waste electrical and electronic equipment should be sent for recycling and recycling with environmental protection regulations in force in a given country regarding waste management. Selective waste collection contributes to reducing their potential negative impact on human health and the resulting environment from the presence in the equipment of dangerous substances, mixtures and components.

POWER SUPPLY SPECIFICATION

Manufacturer:	Foshan Great Power Co.,Ltd
Commercial registration number:	91440606663372921C
Adress:	3/F Block, 16th, Street#3, Fengxin Road, Fengxing Industrial Zone, Shunde District, Foshan City, Guangdong Province, Chiny
Model identifier:	GRT90-145600
Input voltage:	100-240V
Input AC frequency:	50/60Hz
Output voltage:	14,5V
Output current:	6,0A
Output power:	87W
Average active efficiency:	90%
Efficiency at low load (10%):	89%
No-load power consumption:	0.19W