PHILIPS

Highly portability

Car thermal box

- Plasma odor reduction
- Dual cooling and freezing zone
- Powerful temperature control
- Large storage capacity

LUMTB850X1

Fresher food for tastier travel

Powerful and portable in-vehicle refrigeration

Philips TB8501 is a portable high-capacity thermal box. With powerful dual freezing and chilling zones, plus an odor-reducing function, it keeps your food and drinks fresh. And equipped with wheels and a handle, it's easy to move.

Portable and easy to use design

- Portable thermal box equipped with handle and wheels

Effective odor reduction

- Built-in plasma deodorizer effectively reduces odors

Dual cool and freeze storage zones

- Two compartments provide dual cooling and freezing

Powerful temperature control

- Choose the proper temperature from a wide range
- Fast cooling and freezing keeps the item fresh*4
- Keeps items cool for 48 hours even with the power off*6

Portable and versatile design

- Large storage capacity up to 55 liters*1
- Versatile design with reversible door and bottle opener
- Dual modes for powerful cooling or energy saving

Car thermal box

Highly portability

LUMTB850X1/30

Highlights

Large storage capacity

The Philips TB8501 can hold a large amount of food and liquid. With a capacity of 55 liters, it can store 96 cans of beverage (330ml), or 52 bottles of water (550ml)*5. This makes it great for road trips, commercial trucking, camping and other outdoor activities.

Effective odor reduction

The Philips TB8501 effectively reduces unwanted odors emitted from stored food. Built-in plasma technology releases positive and negative ions into the air. These ions interact with odorous substances*2, converting them into harmless substances, or removing the vast majority of them. The same process can also remove bacteria*2 from the air. The result is safer and fresher food storage for your journey.

Wide temperature range

With an efficient refrigeration system, Philips TB8501 can reach temperatures as low as -22*3. This wide temperature range makes it suitable for a variety of storage needs. And you can easily adjust the temperature to choose between cooling or freezing. Its recommended that fresh breast milk is stored at 4 for up to 4 days, or -18 for 6 months.*4

Control it with a touch

With a quick touch of the control panel, you can set the temperature, select battery protection mode, choose between full power and ECO mode. In addition the plasma function can be turned on or off according to your needs. The LCD display also helps you easily check the temperature, even in the dark.

Anti-shake and anti-tilt

The Philips TB8501 is designed for the reality of the road. It is built to withstand the shakes and vibrations of bumpy roads. Plus, The built-in sensors monitor the tilt angle in real time. When the angle is greater than 30, the compressor protection will be automatically activated. Its so tough you can even use your thermal box when driving off-road.*8

Dual temperature zones

With two separate compartments, the Philips TB8501 can chill and freeze items at the same time. This offers you 4 combinations of cooling and freezing, giving you flexibility over what foods and drinks you can store. So when youre on the road, you and your friends can enjoy chilled drinks and snacks, as well as an ice-cream.

Highly portable thermal box

Equipped with silent PU 6-inch wheels and a folding handle, its easy to move your Philips TB8000 series to and from your vehicle. Just pop the handle out and wheel it like you would a small suitcase through the airport. The unique 3-spoke wheel design also helps you stay balanced, helping to prevent scratches or other damage, as well as making it easier to clean.Enhanced wheels and handle can still withstand a load of 60 KG, and even when fully loaded,it can still go up and down 100 steps without deformation or damage.*1

Fast cooling and freezing*4

When on the road, you might need to quickly cool or freeze items. Equipped with an advanced compressor, and an upgraded molded liner, the Philips TB8501 offers high performance refrigeration.The device can drop the temperature to 0 (32F) in just 21 minutes, and to -10 (14F) in 40 minutes.*4 So no matter how hot it is outside, you don't have to worry about food or frozen items defrosting, or cold drinks warming.

Keeps cool with the power off

Insulated with high density foam, the Philips TB8501 minimizes heat transfer, locking in cool temperatures for longer. It takes 48 hours to rise to 0 from the devices lowest deep freeze temperature of -22. That means frozen items will stay frozen for 2 days even with the power off*5. Which is great if you want to turn off the car engine and still keep your food and drinks cool.

Useful versatile design

On many cooling devices the door position is fixed, only opening in one direction. Depending where you want to place the device, this can prevent it from opening fully or make it inconvenient to remove items. With the Philips TB8501 you can easily detach the door and reverse the opening direction. So youre free to position the device wherever works best for you. The device also comes with an integrated bottle opener, making it easy to enjoy a bottled drink when youre on the go.

Dual modes to save energy

Do you need your Philips TB8000 series cooled quickly? Then select Max mode to use the full power of the refrigeration system. Need to keep items cool, but not in a hurry to reduce the temperature? Then select ECO mode to save energy, it consumes less than 1kWh per week.*7

Easy to clean and maintain

When cleaning the device, instead of using an old cloth to slowly mop up the excess water, you simply unplug the drain and the water pours away. Plus,the integral molding of the liner eliminates the crevices and dead corners that are difficult to wipe, making the cleaning process of the device much easier and faster.

Car thermal box

Highly portability

LUMTB850X1/30

Specifications

Product description

Automatic On/Off
Power [W]: 66
Technology: Compressor
Refrigerant type: 600a
Volume(L): 55
Noise level (db)(GB/T std): <50
Operation mode: MAX/ECO
Battery protection: 3 levels
Voltage [V]: 12/24V
Refrigerant weight(g): 20
Big compartment size(mm): 305*194*278
Small compartment size(mm): 305*271*464

Performance

Temperature range: down to -22℃
Climate class: SN N ST T
Cooling time from 20C to 0C: 21 minutes
Freezing time from 20C to -10C: 40 minutes
Tilt angle: 30°
Certification: CCC

Logistic data

Quantity in box: 1
EAN1: 6974260729916
Ordering code GOC: 72991666
Ordering Entry: TB850X1
12NC: 9285.999.38201

Accessories

Power cable and length: 3.5m

Weight and dimensions

Box dimensions (LxWxH)(mm): 736*506*516mm
Product dimensions (WxDxH)(mm): 670*439*602mm
Product gross weight: 19
Box weight (incl. product): 24

* 1. Tested and measured by an in-house lab.
* 2. According to laboratory test reports, it can absorb or decompose 94.8% of Methyl mercaptan and Trimethylamine , which represent odorous gas. The antibacterial rate against Escherichia coli and Staphylococcus aureus reaches 99.99%.
* 3. Monitoring the thermal box temperature range: room temperature to -22°C. Tested by an in-house lab on an empty thermal box with the ambient temperature at 20°C, measuring the temperature drop curve.
* 4. Source: Safe storage temperatures guidelines for human breast milk issued by the Centers for Disease Control (CDC), USA.
* 5. Tested by an in-house lab on an empty thermal box with the ambient temperature at 20°C.Monitoring the smaller compartment cooling time from 20°C to 0°C and freezing time from 20°C to -10°C. This applies to the thermal box, the drop in temperature of its contents will vary.
* 6. Monitoring the thermal box temperature display when powered off. Tested by an in-house lab on a fully loaded thermal box with the ambient temperature at 32°C, turning it off once the box reached -20°C. This applies to the thermal box, the change in temperature of its contents will vary.
* 7. DC power supply to monitor thermal box ECO mode power consumption. Tested by an in-house lab on an empty thermal box with the ambient temperature at 25°C, setting the temperature to -20°C and measuring 1 working cycle power consumption. 1 week of power consumption based on driving 2.2 hours per day.
* 8. Tested by an in-house lab. The compressor will stop working when the thermal box is tilted at an angle of 30°,when the tilt angle is less than 29° and lasts for more than one minute, the compressor will resume working.

Issue date 2025-05-14
Version: 1.1.1

EAN: 69 74260 72991 6

www.philips.com